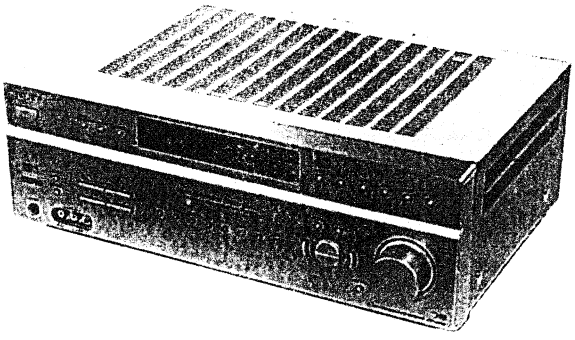
STR-K1000P

SERVICE MANUAL

E Model
Australian Model

Ver. 1.0 2005.04



- STR-K1000P is the tuner and the amplifier section in HT-DDW1000.

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SPECIFICATIONS

Amplifier section

Power Output[1)]

Models of area code SP, MX, E51	
(6 ohms 1 kHz, THD 0.7%)	
FRONT[2)]:	80 W/ch
CENTER[2)]:	80 W
SURR[2)]:	80 W/ch
SURR BACK[2)]:	80 W
(6 ohms 1 kHz, THD 10%)	
FRONT[2)]:	130 W/ch
CENTER[2)]:	130 W
SURR[2)]:	130 W/ch
SURR BACK[2)]:	130 W
Models of area code AUS	
(6 ohms 120 Hz – 20 kHz, THD 0.09%)	
FRONT[2)]:	70 W/ch
CENTER[2)]:	70 W
SURR[2)]:	70 W/ch
SURR BACK[2)]:	70 W
(6 ohms 1 kHz, THD 0.7%)	
FRONT[2)]:	80 W/ch
CENTER[2)]:	80 W
SURR[2)]:	80 W/ch
SURR BACK[2)]:	80 W
(6 ohms 1 kHz, THD 10%)	
FRONT[2)]:	130 W/ch
CENTER[2)]:	130 W
SURR[2)]:	130 W/ch
SURR BACK[2)]:	130 W

1) Measured under the following conditions:

Area code	**Power requirements**
SP	230 V AC, 50 Hz
AUS, E51	240 V AC, 50 Hz
MX	127 V AC, 60 Hz

2) Depending on the sound field settings and the source, there may be no sound output.

Inputs (Analog)

MULTI CH IN, SA-CD/CD, MD/TAPE, DVD, VIDEO 1, 2, 3	Sensitivity: 800 mV Impedance: 50 k ohms

Inputs (Digital)

DVD (Coaxial)	Sensitivity: – Impedance: 75 ohms
VIDEO 2, SA-CD/CD (Optical)	Sensitivity: – Impedance: –

Outputs (Analog)

MD/TAPE (OUT), VIDEO 1 (AUDIO OUT)	Voltage: 800 mV Impedance: 10 k ohms
SUB WOOFER	Voltage: 2 V Impedance: 1 k ohm

Reproduction frequency range:
28 – 20,000 Hz

Tone

Gain levels	±6 dB, 1 dB step

FM tuner section

Tuning range	87.5 - 108.0 MHz
Antenna	FM wire antenna
Antenna terminals	75 ohms, unbalanced
Intermediate frequency	10.7 MHz

AM tuner section

Tuning range	
Models of area code SP, AUS	
With 9-kHz tuning scale:	531 – 1,602 kHz
Models of area code E51	
With 10-kHz tuning scale:	530 – 1,610 kHz[3)]
With 9-kHz tuning scale:	531 – 1,602 kHz[3)]
Models of area code MX	
With 10-kHz tuning scale:	530 – 1,610 kHz
Antenna	Loop antenna
Intermediate frequency	450 kHz

3) You can change the AM tuning scale to 9 kHz or 10 kHz. After tuning in any AM station, turn off the receiver. While holding down PRESET TUNING + or TUNING +, press I/⏻. All preset stations will be erased when you change the tuning scale. To reset the scale to 10 kHz (or 9 kHz), repeat the procedure.

– Continued on next page –

FM STEREO FM-AM RECEIVER

9-879-636-01
2005D1678-1
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Sony Corporation
Audio Group
Published by Sony Engineering Corporation

SONY®

Video section

Inputs/Outputs

Video:	1 Vp-p, 75 ohms
COMPONENT VIDEO:	Y: 1 Vp-p, 75 ohms PB/CB/B-Y: 0.7 Vp-p, 75 ohms PR/CR/R-Y: 0.7 Vp-p, 75 ohms 80 MHz HD Pass Through

General

Power requirements

Area code	**Power requirements**
SP	220–230 V AC, 50/60 Hz
AUS	240 V AC, 50 Hz
MX	127 V AC, 60 Hz
E51	120/220/240 V AC, 50/60 Hz

Power consumption	200 W
Power consumption (during standby mode)	0.2 W
Dimensions (w/h/d) (Approx.)	430 1 58 310 mm (16 7/8 × 6 2/8 × 12 2/8 inches) including projecting parts and controls
Mass (Approx.)	8.0 kg (17 lb 11 oz)

- Abbreviation
  AUS : Australian model
  E51 : Chilean and Peruvian models
  MX : Mexican model
  SP : Singapore model

Design and specifications are subject to change without notice

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

LF: LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350 °C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- **Strong viscosity**
  Unleaded solder is more viscou-s (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

TABLE OF CONTENTS

1. GENERAL 4

2. TEST MODE 10

3. DIAGRAMS

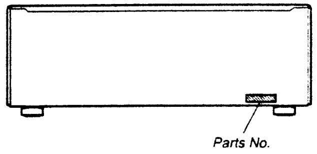
3-1. Block Diagram – MAIN Section – 12
3-2. Block Diagram – DISPLAY/POWER Section – 13
3-3. Printed Wiring Board – DIGITAL Board (Side A) – 14
3-4. Printed Wiring Board – DIGITAL Board (Side B) – 15
3-5. Schematic Diagram – DIGITAL Board (1/4) – 16
3-6. Schematic Diagram – DIGITAL Board (2/4) – 17
3-7. Schematic Diagram – DIGITAL Board (3/4) – 18
3-8. Schematic Diagram – DIGITAL Board (4/4) – 19
3-9. Printed Wiring Board – MAIN Board – 20
3-10. Schematic Diagram – MAIN Board (1/3) – 21
3-11. Schematic Diagram – MAIN Board (2/3) – 22
3-12. Schematic Diagram – MAIN Board (3/3) – 23
3-13. Printed Wiring Board – STANDBY Section – 24
3-14. Printed Wiring Board – DISPLAY Section – 25
3-15. Schematic Diagram – DISPLAY Section – 26
3-16. Printed Wiring Board – SPEAKER/HEADPHONE Section – 27
3-17. Schematic Diagram – SPEAKER/HEADPHONE Section – 28
3-18. Printed Wiring Board – VIDEO IN/OUT Section – 29
3-19. Schematic Diagram – VIDEO IN/OUT Section – 30

4. EXPLODED VIEWS

4-1. Front Cabinet Section 39
4-2. Chassis Section 40

5. ELECTRICAL PARTS LIST 41

MODEL IDENTIFICATION
– BACK PANEL –



Model	Part No.
E51 model	2-546-121-2□
SP model	2-546-121-3□
AUS model	2-546-121-4□
MX model	2-546-121-5□

- Abbreviation
  AUS : Australian model
  E51 : Chilean and Peruvian models
  MX : Mexican model
  SP : Singapore model

SECTION 1
GENERAL

This section is extracted from instruction manual.

Main unit

ALPHABETICAL ORDER

A - H

A.F.D. (button/indicator) 11 (28, 30)
AM 21 (21, 22, 23, 38)
DIMMER 4 (24)
DISPLAY 3 (24, 51)
Display 7 (25)
DVD 25 (21)
ENTER 15 (17, 38, 51)
FM 22 (21, 22, 23, 38)
FM MODE 32 (22)

I - O

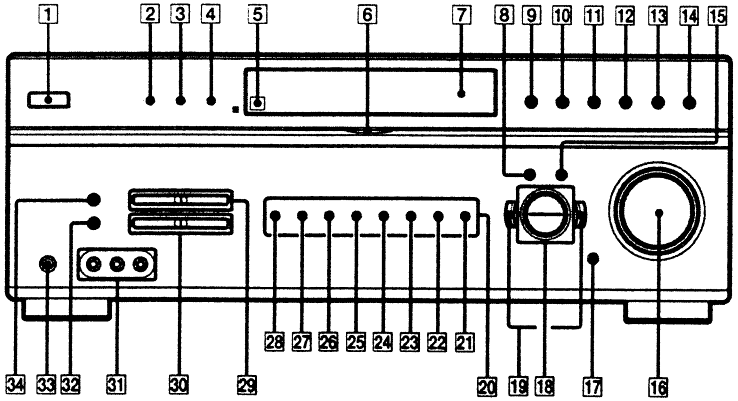
Input buttons 20 (21, 33, 37, 38, 51)
INPUT MODE 17 (33)
IR (receptor) 5 (41, 51)
MAIN MENU 8 (18, 34, 35, 38)
MASTER VOLUME –/+ 16 (17, 20, 21, 50)
MD/TAPE 24 (21)
MEMORY 34 (23)
MOVIE (button/indicator) 12 (29, 30, 50)
MULTI CHANNEL DECODING (indicator) 6 (22)
MULTI CH IN 9 (22)
MUSIC (button/indicator) 13 (30, 50)

P - Z

PHONES (jack) 33 (21, 50)
PRESET TUNING –/+ 29 (23, 53)
SA-CD/CD 23 (21)
SPEAKERS (OFF/A/B/A+B) 2 (15, 39, 50)
SURR BACK DECODING 14 (31)
TUNING –/+ 30 (22, 53)
VIDEO 1 28 (21)
VIDEO 2 27 (21)
VIDEO 3 26 (21)
VIDEO 3 IN/PORTABLE AV IN (jacks) 31 (12)

NUMBERS AND SYMBOLS

2CH (button/indicator) 10 (27, 30, 35)
I/⏻ (power) 1 (17, 35, 53)
</> 19 (18, 34, 35, 38)
+/– 18 (18, 34, 36, 38)


1
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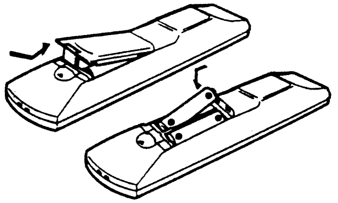
17
16

Before you use your remote

Inserting batteries into the remote

Insert R6 (size-AA) batteries with the + and – properly oriented in the battery compartment. When using the remote, point it at the remote sensor ■ on the receiver.



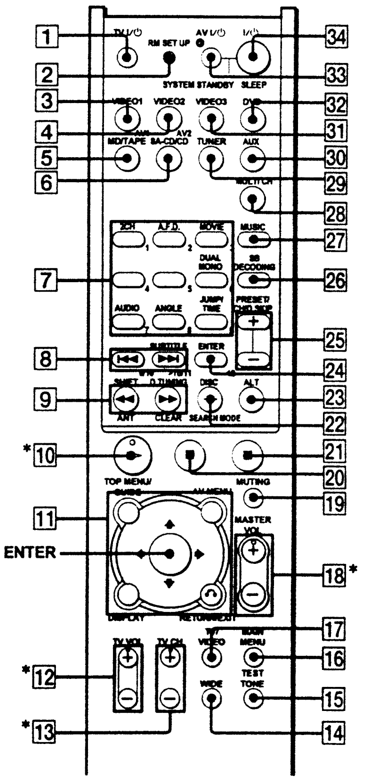
Tip

Under normal conditions, the batteries should last for about 6 months. When the remote no longer operates the receiver, replace all batteries with new ones.

Notes

- Do not leave the remote in an extremely hot or humid place.
- Do not use a new battery with an old one.
- Do not expose the remote sensor to direct sunlight or lighting apparatuses. Doing so may cause a malfunction.
- If you don't use the remote for an extended period of time, remove the batteries to avoid possible damage from battery leakage and corrosion.

Remote button description


1
2
3
4
5
6
7
8
9
*10
11
ENTER
*12
*13
34
33
32
31
30
29
28
27
26
25
24
23
22
21
20
19
18*
17
16
15
14
TV I/⏻
RM SET UP
AV I/⏻
I/⏻
SYSTEM STANDBY
SLEEP
VIDEO1
VIDEO2
VIDEO3
DVD
AV2
MD/TAPE
SA-CD/CD
TUNER
AUX
MULTI CH
2CH
A.F.D.
MOVIE
MUSIC
DUAL MONO
SB DECODING
AUDIO
ANGLE
JUMP/ TIME
PRESET/ CH/D.SKIP
SUBTITLE
ENTER
D.TUNING
DISC
ALT
ANT
CLEAR
SEARCH MODE
TOP MENU/
MUTING
MASTER VOL
TV VOL
TV CH
VIDEO
MENU
TEST TONE
WIDE

* The ⊳, TV VOL +, TV CH + and MASTER VOL + buttons have a tactile dot. Use the tactile dot as a reference when operating the receiver and other audio/video components.

The tables below show the settings of each button.

Remote Button	Operations	Function
A.F.D. [7]	Receiver	Selects the decoding mode for audio sound.
ALT [23]	Remote	When ALT button lights up, it changes the remote key function to activate those buttons with orange printing.
ANGLE [7]	DVD player/ Blu-ray disc recorder	Selects viewing angle or changes the angles.
ANT [9]	VCR/ Satellite tuner	Selects output signal from the antenna terminal: TV signal or VCR program.
AUDIO [7]	TV/VCR/ DVD player/ Satellite tuner/ Blu-ray disc recorder/ Hard disc recorder/PSX	Changes the sound to Multiplex, Bilingual or Multi channel TV Sound.
AUX [30]	Receiver	To listen to an audio equipment.
AV MENU [11]	VCR/ Satellite tuner/ DVD player/ Blu-ray disc recorder/ Hard disc recorder/PSX	Displays menu.
AV1 [3] and AV2 [4]	Remote	Selects the command mode of the remote.
AV I/⏻ [33]	TV/VCR/ CD player/ VCD player/ LD player/ DVD player/ MD deck/ DAT deck/ Blu-ray disc recorder/ Hard disc recorder/PSX/ Satellite tuner	Turns the audio and video components on or off.
CLEAR [9]	CD player/ DVD player/ Blu-ray disc recorder/PSX/ Satellite tuner	Clears a mistake when you press the incorrect numeric buttons or returns to continuos playback etc.
DISC [22]	CD player/ VCD player	Selects a disc directly (multi-disc changer only).
DISPLAY [11]	TV/VCR/ VCD player/ LD player/ DVD player/ Receiver/ CD player/ MD deck/ Blu-ray disc recorder/ Hard disc recorder/PSX/ Satellite tuner	Selects information displayed on the TV screen.
D.TUNING [9]	Receiver	Enters direct tuning mode.
DUAL MONO [7]	Receiver	Selects the language you want during digital broadcast.
DVD [32]	Receiver	To watch DVD.
ENTER [24]	TV/VCR/ Satellite tuner/ LD player/MD deck/DAT deck/Tape deck/ Blu-ray disc recorder/ Hard disc recorder/PSX	After selecting a channel, disc or track using the numeric buttons, press to enter the value.
ENTER [11]	Receiver/ VCR/ Satellite tuner/ DVD player	Enters the selection.
JUMP/TIME [7]	Satellite tuner/ TV/Blu-ray disc recorder	Toggles between the previous and the current channels.
	CD player/ MD deck/ VCD player/ DVD player	Shows the time or displays the playing time of disc, etc.
MAIN MENU [16]	Receiver	Selects the menu of the receiver.

Remote Button	Operations	Function
MASTER VOL +/– [18]	Receiver	Adjusts the master volume of the receiver.
MD/TAPE [5]	Receiver	To listen to Minidisc or audio tape.
MOVIE [7]	Receiver	Selects the pre-programmed sound fields for movie.
MULTI CH [28]	Receiver	Selects MULTI CH IN source.
MUSIC [27]	Receiver	Selects the pre-programmed sound fields for music.
MUTING [19]	Receiver	Mutes the sound from the receiver.
PRESET/ CH/ D.SKIP +/– [25]	Receiver	Selects preset stations.
	TV/VCR/ Satellite tuner/ Blu-ray disc recorder/ Hard disc recorder	Selects preset channels.
	CD player/ VCD player/ DVD player/ MD deck/ LD player	Skips discs (multi-disc changer only).
RETURN/ EXIT [11]	VCD player/ LD player/ DVD player	Returns to the previous menu.
	Satellite tuner	Exits the menu.
RM SET UP [2]	Remote	To set up the remote.
SA-CD/CD [6]	Receiver	To listen to Super Audio CD or compact disc.
SB DECODING [26]	Receiver	Selects the surround back decoding modes.
SEARCH MODE [22]	DVD player	Selects searching mode. Press to select the unit for search (track, index, etc.)
SHIFT [9]	Receiver	Selects a memory page for presetting radio stations or tuning to preset stations.
SLEEP [34]	Receiver	Activates the sleep function and the duration which the receiver turns off automatically.
SUBTITLE [8]	DVD player	Changes the subtitles.
SYSTEM STANDBY (Press AV I/⏻ [33] and I/⏻ [34] at the same time)	Receiver/ TV/VCR/ Satellite tuner/ CD player/ VCD player/ LD player/ DVD player/ MD deck/ DAT deck	Turns off the receiver and other Sony audio/ video components.
TEST TONE [15]	Receiver	Outputs test tone.
TOP MENU/ GUIDE [11]	DVD player	Displays DVD title.
	Satellite tuner/ Blu-ray disc recorder/ Hard disc recorder/PSX	Displays guide menu.
TUNER [29]	Receiver	To listen to radio programs.
TV CH +/– [13]	TV	Selects preset TV channels.
TV/VIDEO [17]	TV	Selects input signal: TV input or video input.
TV VOL +/– [12]	TV	Adjusts the volume of the TV.
TV I/⏻ [1]	TV	Turns the TV on or off.
VIDEO1 [3]	Receiver	To watch VCR. (VTR mode 3)
VIDEO2 [4]	Receiver	To watch VCR. (VTR mode 1)
VIDEO3 [31]	Receiver	To watch VCR. (VTR mode 2)
WIDE [14]	TV	Selects the wide picture mode.

Remote Button	Operations	Function
1-9 [7] and 0/10 [8]	Receiver	Use with SHIFT to preset radio station or tuning to preset stations and with D.TUNING for direct tuning.
	CD player/ VCD player/ LD player/ DVD player/ MD deck/ DAT deck/ Tape deck	Selects track numbers. 0/10 selects track 10.
	TV/VCR/ Satellite tuner/ Blu-ray disc recorder/ Hard disc recorder/PSX	Selects channel numbers.
2CH [7]	Receiver	Selects 2CH STEREO mode.
>10/11 [8]	CD player/ VCD player/ LD player/ MD deck/ Tape deck/ TV/VCR/ Blu-ray disc recorder/ Hard disc recorder/PSX/ Satellite tuner	Selects track numbers over 10.
-/-- [22]	TV/ Blu-ray disc recorder/ Hard disc recorder/PSX/ Satellite tuner	Selects the channel entry mode, either one or two digit.
I/⏻ [34]	Receiver	Turns the receiver on or off.
⏮/⏭ [8]	VCR/ CD player/ VCD player/ LD player/ DVD player/ MD deck/ DAT deck/ Tape deck/ Blu-ray disc recorder/ Hard disc recorder/PSX	Skips tracks.
◀◀/▶▶ [9]	CD player/ VCD player/ DVD player/ LD player/ MD deck/ Blu-ray disc recorder/ Hard disc recorder/PSX	Searches tracks in the forward or backward direction.
	VCR/ DAT deck/ Tape deck	Fastforwards or rewinds.
▶ [10]	VCR/ CD player/ VCD player/ LD player/ DVD player/ MD deck/ DAT deck/ Tape deck/ Blu-ray disc recorder/ Hard disc recorder/PSX	Starts playback.
II [20]	VCR/ CD player/ VCD player/ LD player/ DVD player/ MD deck/ DAT deck/ Tape deck/ Blu-ray disc recorder/ Hard disc recorder/PSX	Pauses playback or recording. (Also starts recording with components in recording standby.)
■ [21]	VCR/ CD player/ VCD player/ LD player/ DVD player/ MD deck/ DAT deck/ Tape deck/ Blu-ray disc recorder/ Hard disc recorder/PSX	Stops playback.

Remote Button	Operations	Function
↩ [11]	VCD player/ LD player/ DVD player/ Blu-ray disc recorder/ Hard disc recorder/PSX/ Satellite tuner	Returns to the previous menu or exits the menu.
↑/↓ [11]	Receiver	Selects a menu item.
←/→ [11]	Receiver	Adjusts or changes the setting.
↑/↓/←/→ [11]	VCR/ DVD player/ Blu-ray disc recorder/ Hard disc recorder/PSX/ Satellite tuner	Selects a menu item.

Notes

- The AUX and 12 buttons on the remote are not available for receiver operation.
- Some functions explained in this section may not work depending on the model.
- The above explanation is intended to serve as an example only. Therefore, depending on the component the above operation may not be possible or may operate differently than described.
- When you press input buttons (VIDEO1, VIDEO2, VIDEO3 or DVD), the input mode of the TV might not switch to the corresponding input mode that you want. In this case, press TV/VIDEO button to switch the input mode of the TV.
- To activate the buttons with orange printing, press ALT first before pressing the buttons.

Selecting the command mode of the remote

Set the remote command mode using the RM SET UP button and the remote command mode buttons.

Selecting the command mode

You can switch the command mode (AV1 and AV2) of the remote. If the command mode of the receiver and the remote is different, you cannot use the remote to operate the receiver. To change the command mode of the receiver, see page 51.

Press AV1 (or AV2) while holding down RM SET UP.

The indicator flashes once (twice for AV2), then the command mode switches.

To check the command mode of the remote

Press RM SET UP. You can check the remote by the indicator.

Mode	Indicator flashes
AV1	once
AV2	twice

To reset the remote to factory settings

Press I/⏻, AV I/⏻ and MASTER VOL – at the same time.

The indicator flashes 3 times, then goes off.

SECTION 2
TEST MODE

FACTORY PRESET MODE

- All preset contents are reset to the default setting.
- Procedure:
  While depressing the FM MODE and the DISPLAY buttons simultaneously, press the power I/⏻ button to turn on the main power.
  The message "FACTORY" appears and the present contents are reset to the default values.

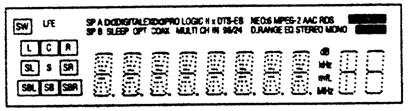
AM CHANNEL STEP 9 kHz/10 kHz SELECTION MODE

- Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.
- Procedure:
  Set the FUNCTION to AM. Turn off the main power.
  While depressing the TUNING+ button or the PRESET TUNING+ button, press the power I/⏻ button to turn on the main power. Either the message "9 k STEP" or "10 k STEP" appears. Select the desired step.
  This mode is only for Australian and E models.

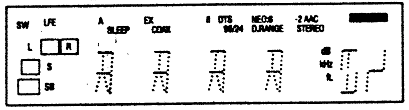
FLUORESCENT INDICATOR TUBE TEST MODE

- **All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.**
- **Procedure:**
  While depressing the TUNING– and the SPEAKERS (OFF/A/B/A+B) buttons simultaneously, press the power I/⏻ button to turn on the main power.

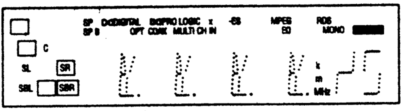
1. **All segments turn on.**


SW
LFE
SP A DDDIGITAL EXDDPRO LOGIC II x DTS-ES NEO:6 MPEG-2 AAC RDS
SP B SLEEP OPT COAX MULTI CH IN 96/24 D.RANGE EQ STEREO MONO
L
C
R
SL
S
SR
SBL
SB
SBR
dB
kHz
mS
MHz

2. **Press the VIDEO 1 button, confirm display.**



3. **Press the VIDEO 1 button, confirm display**



4. **Press the VIDEO 1 button, All segments turn off.**
5. **Every pressing of the VIDEO 1 button turns on each segment one after another in the same order.**
   (Not only the VIDEO 1 button, but also the other buttons such as VIDEO 2, VIDEO 3, DVD, MD/TAPE, SA-CD/CD, FM and AM can be used.)

SOUND FIELD CLEAR MODE

- The preset sound field is cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.
- Procedure:
  While depressing the 2CH button, press the power I/⏻ button to turn on the main power.
  The message "SF. CLR." appears and initialization is performed.

SOFTWARE VERSION DISPLAY MODE

- The software version is displayed.
- Procedure:
  While depressing the TUNING– and the DISPLAY buttons simultaneously, press the power I/⏻ button to turn on the main power. The model name, destination and the software version are displayed.

KEY CHECK MODE

- Button check
- **Procedure:**
  While depressing the TUNING– and the MAIN MENU buttons simultaneously, press the power I/⏻ button to turn on the main power.
  "REST 30" appears.
  Every pressing of any button other than I/⏻ counts down the buttons. The buttons which are already counted once are not counted again. When all buttons are pressed "REST 00" appears.

AUTO BETICAL MODE

- This mode is installed in the Europe models only. When this mode is used, the receiver scans the broadcasts that can be received by the tuner, and sets up the broadcasts. Be sure to start scanning after connecting the antenna.
- **Procedure:**

1. **Check that the antenna is connected.**
2. **Press the I/⏻ button to turn on the power while pressing the MEMORY button.**

CHANGE COMMON MODE

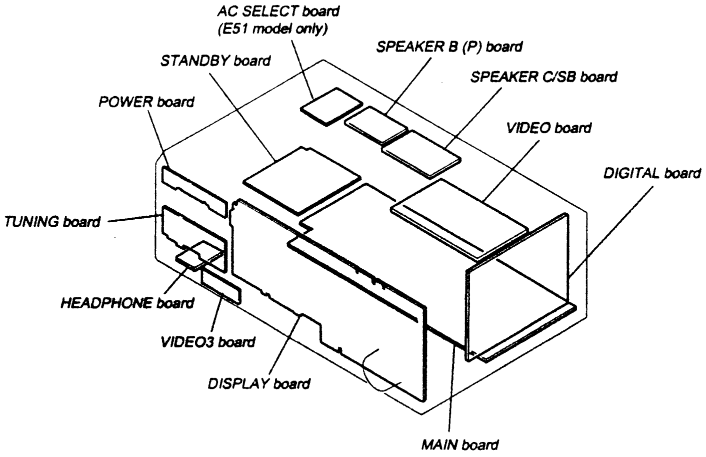
- **This mode is command mode changed to AV 1 or AV2.**
- **Procedure:**
  While depressing the ENTER button, press the power I/⏻ button to turn on the main power.
  Either the message "C.MODE.AV 1" or "C.MODE.AV 2" appears.

SHIPMENT MODE

- **All preset contents are reset to the default setting.**
- **Procedure:**
  While depressing the SPEAKERS (OFF/A/B/A+B) and the FM buttons simultaneously, press the power I/⏻ button to turn on the main power.
  "CLEARED" appears and switch off the set.

SECTION 3
DIAGRAMS

- Circuit Boards Location


AC SELECT board
(E51 model only)
SPEAKER B (P) board
STANDBY board
SPEAKER C/SB board
POWER board
VIDEO board
DIGITAL board
TUNING board
HEADPHONE board
VIDEO3 board
DISPLAY board
MAIN board

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

For Schematic Diagrams.
Note:

- All capacitors are in µF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- % : indicates tolerance.
- Δ : internal component.
- ⊟ : nonflammable resistor.
- ⊟ : fusible resistor.
- ▭ : panel designation.

> **Note:** The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
> Replace only with part number specified.

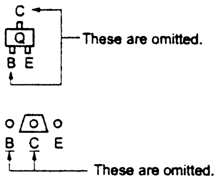
- ━━━ : B+ Line.
- ━ ━ ━ : B+ Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  No mark : FM
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : FM
  ⇨ : ANALOG
  ⇨ : DIGITAL
  ⇨ : VIDEO
- Abbreviation

AUS	: Australian model
E51	: Chilean and Peruvian models
MX	: Mexican model
SP	: Singapore models

For Printed Wiring Boards.
Note:

- o—— : parts extracted from the component side.
- ○ : Through hole.
- Δ : internal component.
- ▨ : Pattern from the side which enables seeing.

- Indication of transistor.

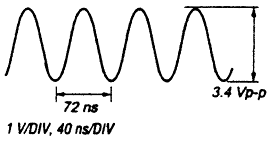

C
Q
B E
These are omitted.
B C E
These are omitted.

Caution:	
Pattern face side: (Side A)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Side B)	Parts on the parts face side seen from the parts face are indicated.

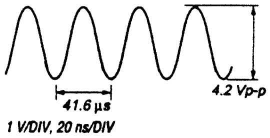
- **Waveforms**

– DIGITAL Board –

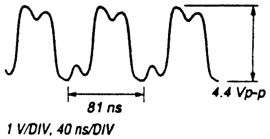
① **IC1501 ⑨ (MCLK1)**



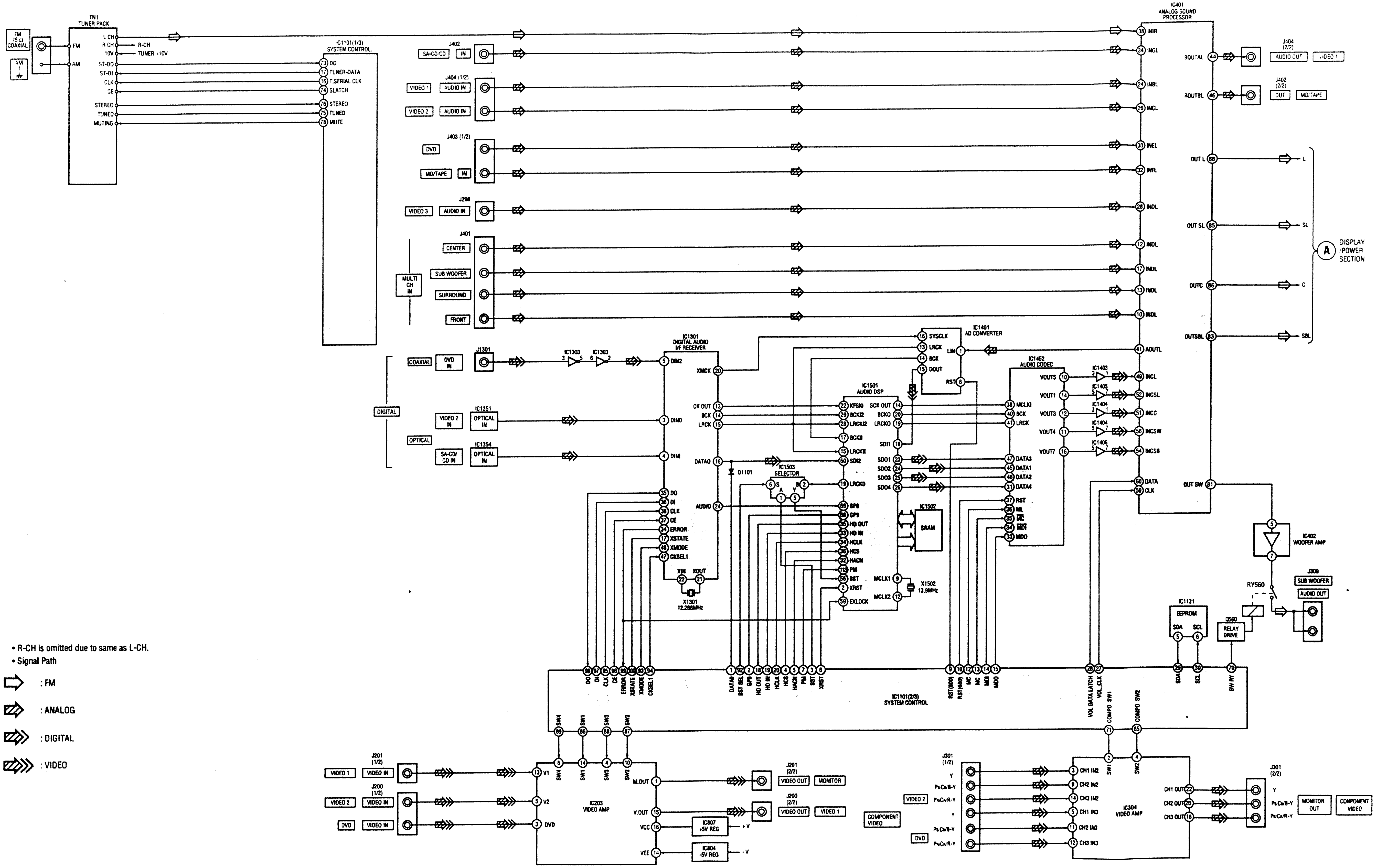
② **IC1101 (83) (X1)**



③ **IC1301 ㉒ (XIN)**



3-1. BLOCK DIAGRAM – MAIN SECTION –


TN1 TUNER PACK
FM 75 Ω COAXIAL
AM
L CH
R CH
10V
ST-DO
ST-DI
CLK
CE
STEREO
TUNED
MUTING
R-CH
TUNER +10V
IC1101(1/3) SYSTEM CONTROL
DO
TUNER-DATA
T.SERIAL CLK
SLATCH
STEREO
TUNED
MUTE
J402
SA-CD/CD IN
J404 (1/2)
VIDEO 1 AUDIO IN
VIDEO 2 AUDIO IN
J403 (1/2)
DVD
MD/TAPE IN
J298
VIDEO 3 AUDIO IN
J401
MULTI CH IN
CENTER
SUB WOOFER
SURROUND
FRONT
DIGITAL
COAXIAL DVD IN
J1301
IC1303
OPTICAL
VIDEO 2 IN
IC1351 OPTICAL IN
SA-CD/CD IN
IC1354 OPTICAL IN
IC1301 DIGITAL AUDIO I/F RECEIVER
X1301 12.288MHz
D1101
IC1503 SELECTOR
IC1501 AUDIO DSP
IC1502 SRAM
X1502 13.5MHz
IC1401 AD CONVERTER
IC1452 AUDIO CODEC
IC1403
IC1405
IC1404
IC1406
IC401 ANALOG SOUND PROCESSOR
J404 (2/2) AUDIO OUT VIDEO 1
J402 (2/2) OUT MD/TAPE
OUT L
OUT SL
OUTC
OUTSBL
OUT SW
A DISPLAY POWER SECTION
IC402 WOOFER AMP
RY560
J308 SUB WOOFER AUDIO OUT
IC1131 EEPROM
Q560 RELAY DRIVE
IC1101(2/3) SYSTEM CONTROL
J201 (1/2)
VIDEO 1 VIDEO IN
J200 (1/2)
VIDEO 2 VIDEO IN
DVD VIDEO IN
IC203 VIDEO AMP
J201 (2/2) VIDEO OUT MONITOR
J200 (2/2) VIDEO OUT VIDEO 1
IC807 +5V REG
IC804 -5V REG
J301 (1/2)
COMPONENT VIDEO
VIDEO 2
DVD
IC304 VIDEO AMP
J301 (2/2)
MONITOR OUT
COMPONENT VIDEO

• R-CH is omitted due to same as L-CH.
• Signal Path

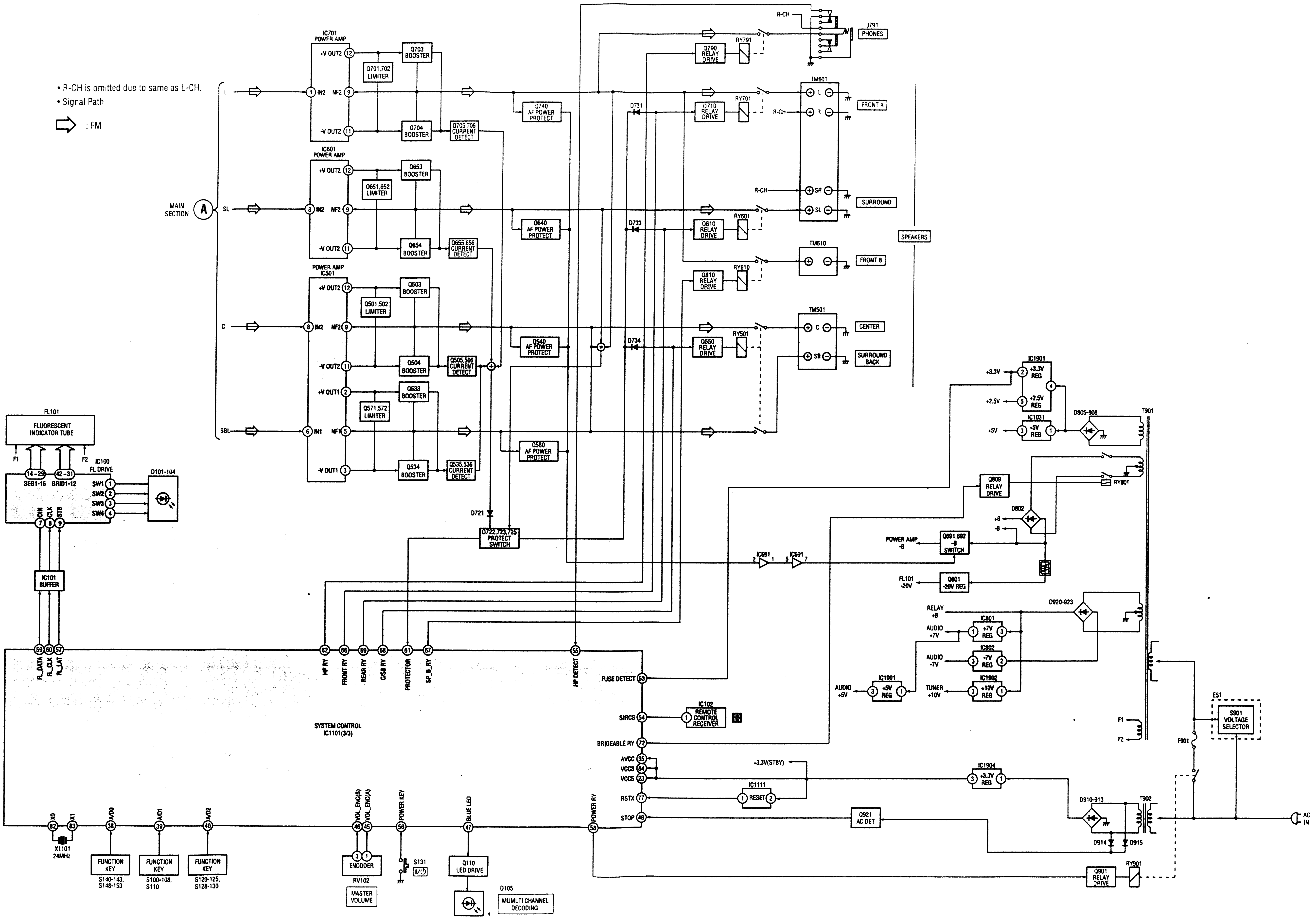
⇨ : FM

⇨ : ANALOG

⇨ : DIGITAL

⇨ : VIDEO

3-2. BLOCK DIAGRAM – DISPLAY/POWER SECTION –

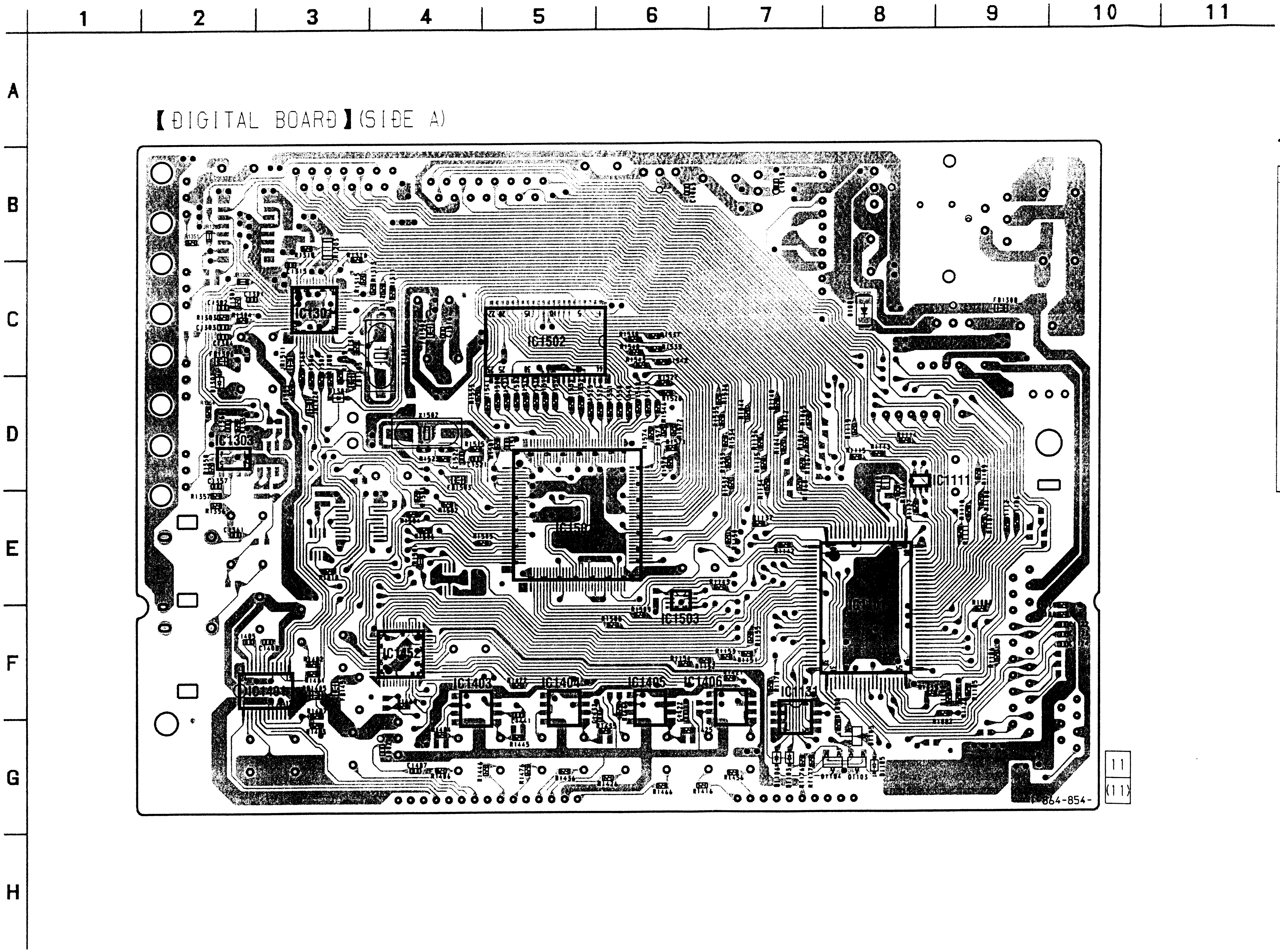


- R-CH is omitted due to same as L-CH.
- Signal Path

⇨ : FM

IC701 POWER AMP
+V OUT2
IN2
NF2
-V OUT2
Q703 BOOSTER
Q701,702 LIMITER
Q704 BOOSTER
Q705,706 CURRENT DETECT
IC601 POWER AMP
Q653 BOOSTER
Q651,652 LIMITER
Q654 BOOSTER
Q655,656 CURRENT DETECT
POWER AMP IC501
Q503 BOOSTER
Q501,502 LIMITER
Q504 BOOSTER
Q505,506 CURRENT DETECT
+V OUT1
-V OUT1
IN1
NF1
Q533 BOOSTER
Q571,572 LIMITER
Q534 BOOSTER
Q535,536 CURRENT DETECT
MAIN SECTION
A
L
SL
C
SBL
Q740 AF POWER PROTECT
Q640 AF POWER PROTECT
Q540 AF POWER PROTECT
Q580 AF POWER PROTECT
D731
D733
D734
D721
Q722,723,725 PROTECT SWITCH
Q790 RELAY DRIVE
RY791
Q710 RELAY DRIVE
RY701
Q610 RELAY DRIVE
RY601
Q810 RELAY DRIVE
RY610
Q550 RELAY DRIVE
RY501
R-CH
J791
PHONES
TM601
FRONT A
SURROUND
TM610
FRONT B
TM501
CENTER
SURROUND BACK
SPEAKERS
FL101
FLUORESCENT INDICATOR TUBE
F1
F2
IC100 FL DRIVE
SEG1-16
GRID1-12
SW1
SW2
SW3
SW4
DIN
CLK
STB
D101-104
IC101 BUFFER
FL_DATA
FL_CLK
FL_LAT
HP RY
FRONT RY
REAR RY
C/SB RY
PROTECTOR
SP_B_RY
HP DETECT
FUSE DETECT
SIRCS
BRIGEABLE RY
AVCC
VCC3
VCC5
RSTX
STOP
SYSTEM CONTROL IC1101(3/3)
IC102 REMOTE CONTROL RECEIVER
X0
X1
X1101 24MHz
A/D0
A/D1
A/D2
FUNCTION KEY S140-143, S148-153
FUNCTION KEY S100-108, S110
FUNCTION KEY S120-125, S128-130
VOL_ENC(B)
VOL_ENC(A)
ENCODER RV102
MASTER VOLUME
POWER KEY
S131
BLUE LED
Q110 LED DRIVE
D105 MUMLTI CHANNEL DECODING
POWER RY
IC1901 +3.3V REG +2.5V REG
+3.3V
+2.5V
+5V
IC1031 +5V REG
D805-808
T901
Q809 RELAY DRIVE
RY801
D802
+8
-8
POWER AMP -8
Q691,692 -8 SWITCH
IC691
FL101 -20V
Q801 -20V REG
D920-923
RELAY +8
AUDIO +7V
IC801 +7V REG
AUDIO -7V
IC802 -7V REG
TUNER +10V
IC1902 +10V REG
AUDIO +5V
IC1001 +5V REG
E51
S901 VOLTAGE SELECTOR
F901
+3.3V(STBY)
IC1111 RESET
IC1904 +3.3V REG
Q921 AC DET
D910-913
T902
D914
D915
RY901
Q901 RELAY DRIVE
AC IN

3-3. PRINTED WIRING BOARD – DIGITAL BOARD (SIDE A) – • See page 11 for Circuit Boards Location. ЧF :Uses unleaded solder.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A
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D
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G
H
【DIGITAL BOARD】(SIDE A)
IC1301
IC1502
IC1303
IC1501
IC1111
IC1101
IC1503
IC1452
IC1401
IC1403
IC1404
IC1405
IC1406
IC1131
1-864-854-
11
(11)

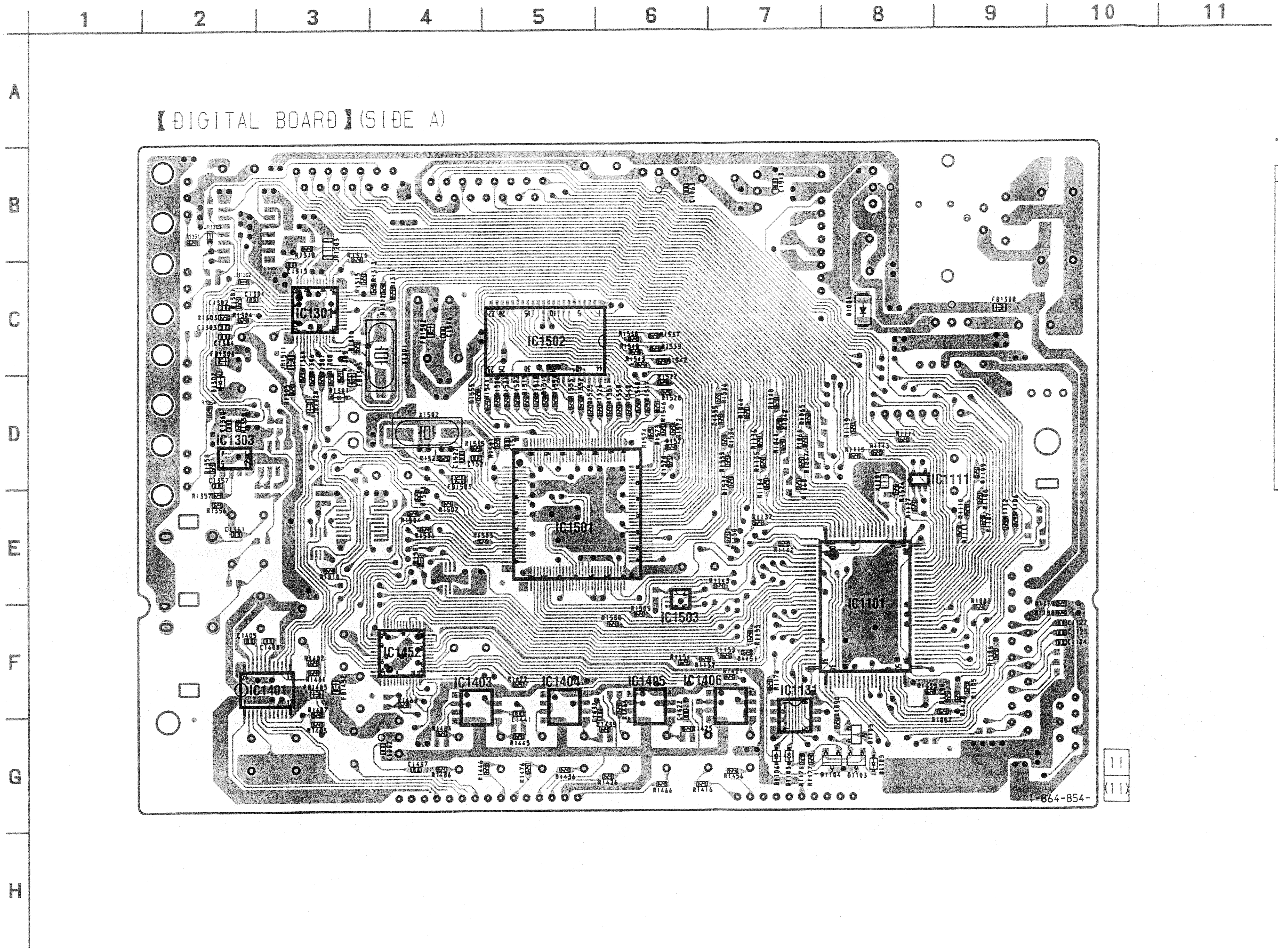
• Semiconductor Location

Ref. No.	Location
D1001	C-8
D1103	G-7
D1105	G-8
D1106	G-7
D1301	D-3
D1302	D-2
IC1101	F-8
IC1111	D-9
IC1131	G-7
IC1301	C-3
IC1303	D-2
IC1401	F-2
IC1403	F-4
IC1404	F-5
IC1405	F-6
IC1406	G-7
IC1452	F-4
IC1501	E-5
IC1502	C-5
IC1503	F-6
Q1103	G-8
Q1104	G-8
Q1105	G-8

3-3. PRINTED WIRING BOARD – DIGITAL BOARD (SIDE A) –

• See page 11 for Circuit Boards Location.

LF :Uses unleaded solder.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【DIGITAL BOARD】(SIDE A)
IC1301
IC1502
IC1303
IC1501
IC1111
IC1101
IC1503
IC1452
IC1401
IC1403
IC1404
IC1405
IC1406
IC1131
1-864-854-
11
(11)

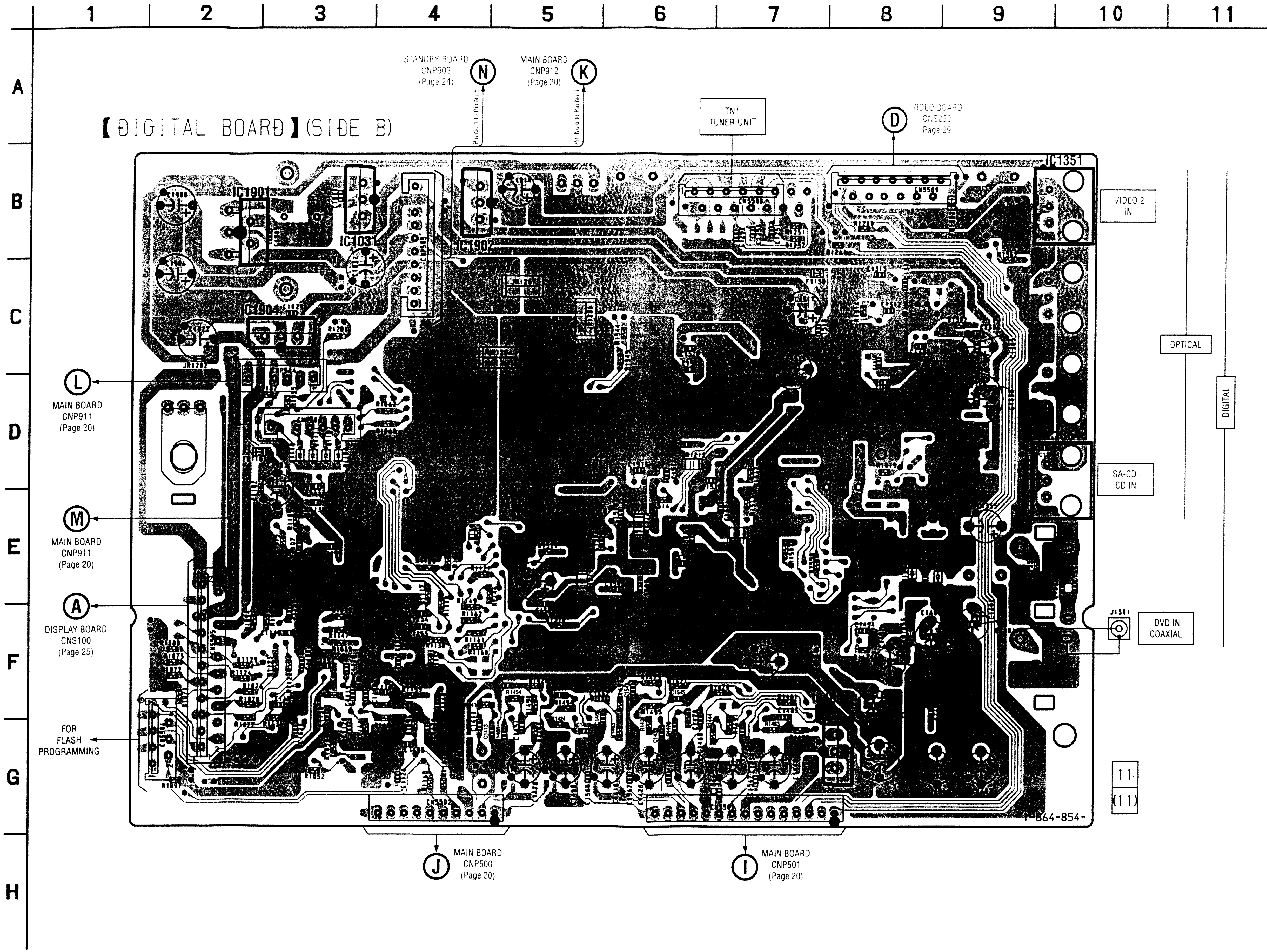
• Semiconductor Location

Ref. No.	Location
D1001	C-8
D1103	G-7
D1105	G-8
D1106	G-7
D1301	D-3
D1302	D-2
IC1101	F-8
IC1111	D-9
IC1131	G-7
IC1301	C-3
IC1303	D-2
IC1401	F-2
IC1403	F-4
IC1404	F-5
IC1405	F-6
IC1406	G-7
IC1452	F-4
IC1501	E-5
IC1502	C-5
IC1503	F-6
Q1103	G-8
Q1104	G-8
Q1105	G-8

3-4. PRINTED WIRING BOARD – DIGITAL BOARD (SIDE B) –

• See page 11 for Circuit Boards Location.

LF :Uses unleaded solder.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C
D
E
F
G
H
[DIGITAL BOARD] (SIDE B)
STANDBY BOARD CNP903 (Page 24)
N
MAIN BOARD CNP912 (Page 20)
K
TN1 TUNER UNIT
VIDEO BOARD CNS250 (Page 29)
D
IC1351
IC1901
IC103
IC1902
IC1904
VIDEO 2 IN
OPTICAL
DIGITAL
SA-CD / CD IN
DVD IN COAXIAL
J1381
L
MAIN BOARD CNP911 (Page 20)
M
MAIN BOARD CNP911 (Page 20)
A
DISPLAY BOARD CNS100 (Page 25)
FOR FLASH PROGRAMMING
1-864-854-
11
(11)
J
MAIN BOARD CNP500 (Page 20)
I
MAIN BOARD CNP501 (Page 20)

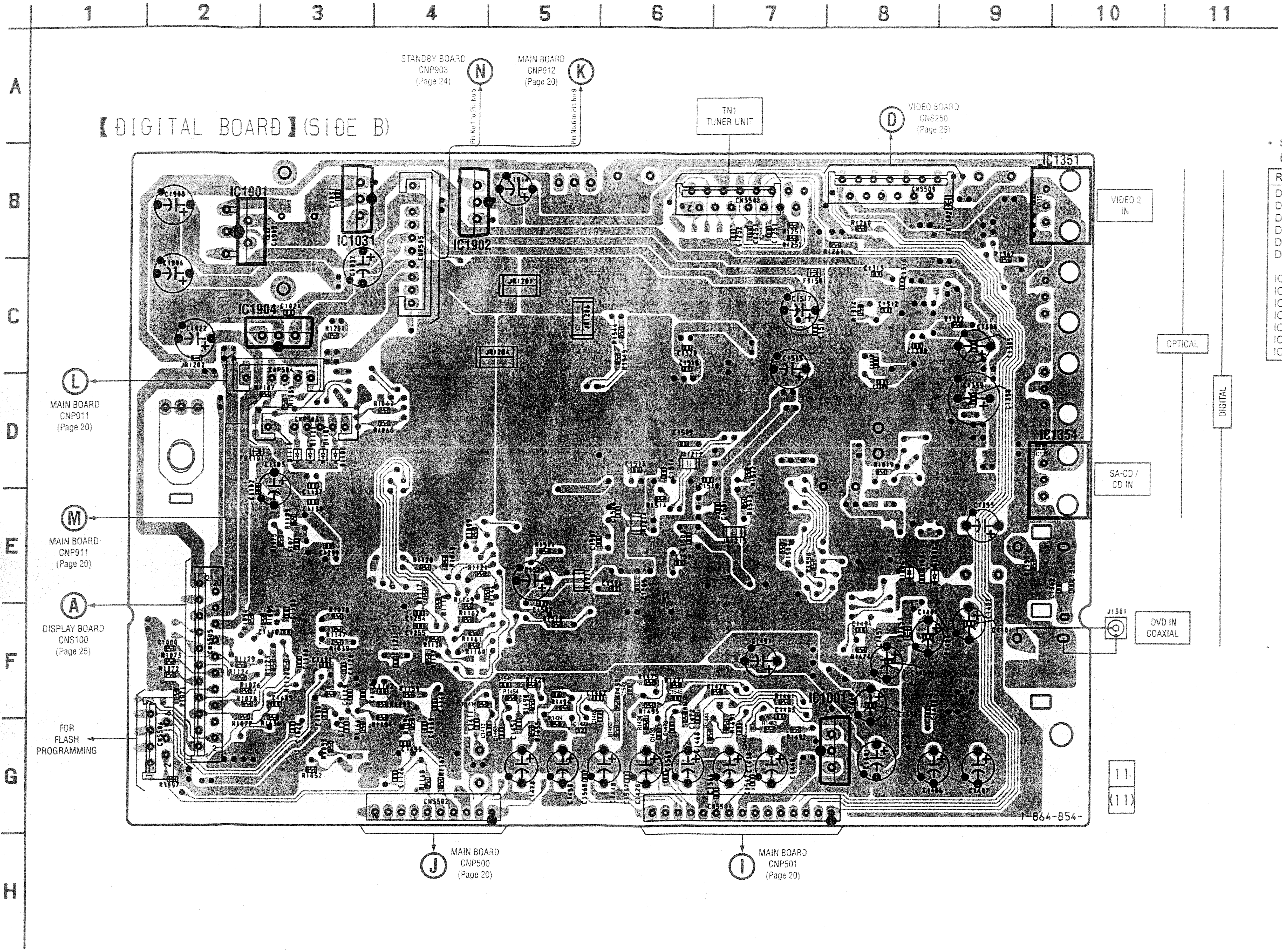
- Semiconductor Location

Ref. No.	Location
D1003	E-9
D1004	E-8
D1107	D-3
D1108	D-3
D1110	D-3
D1111	D-3
IC1001	F-8
IC1031	B-3
IC1351	B-10
IC1354	D-10
IC1901	B-2
IC1902	B-4
IC1904	C-2

3-4. PRINTED WIRING BOARD – DIGITAL BOARD (SIDE B) –

• See page 11 for Circuit Boards Location.

:Uses unleaded solder.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C
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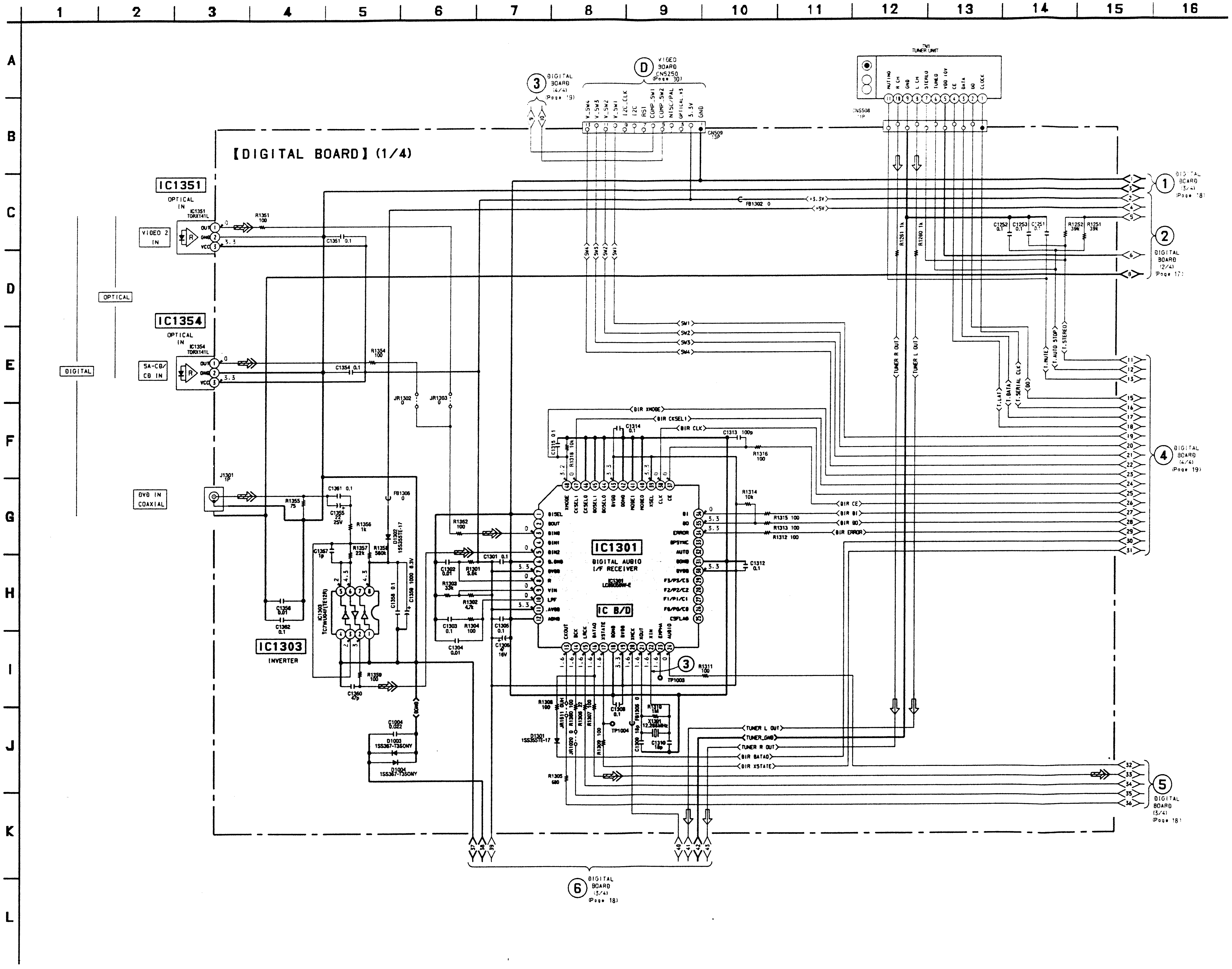
H
【DIGITAL BOARD】(SIDE B)
STANDBY BOARD
CNP903
(Page 24)
N
MAIN BOARD
CNP912
(Page 20)
K
Pin No.1 to Pin No.5
Pin No.6 to Pin No.9
TN1
TUNER UNIT
D
VIDEO BOARD
CNS250
(Page 29)
IC1351
VIDEO 2
IN
OPTICAL
DIGITAL
IC1354
SA-CD /
CD IN
J1381
DVD IN
COAXIAL
IC1901
IC1031
IC1902
IC1904
IC1001
L
MAIN BOARD
CNP911
(Page 20)
M
MAIN BOARD
CNP911
(Page 20)
A
DISPLAY BOARD
CNS100
(Page 25)
FOR
FLASH
PROGRAMMING
CN5502
CN5501
J
MAIN BOARD
CNP500
(Page 20)
I
MAIN BOARD
CNP501
(Page 20)
1-864-854-
11
(11)

• Semiconductor Location

Ref. No.	Location
D1003	E-9
D1004	E-8
D1107	D-3
D1108	D-3
D1110	D-3
D1111	D-3
IC1001	F-8
IC1031	B-3
IC1351	B-10
IC1354	D-10
IC1901	B-2
IC1902	B-4
IC1904	C-2

3-5. SCHEMATIC DIAGRAM – DIGITAL BOARD (1/4) –

• See page 11 for Waveform. • See page 31 for IC Block Diagram.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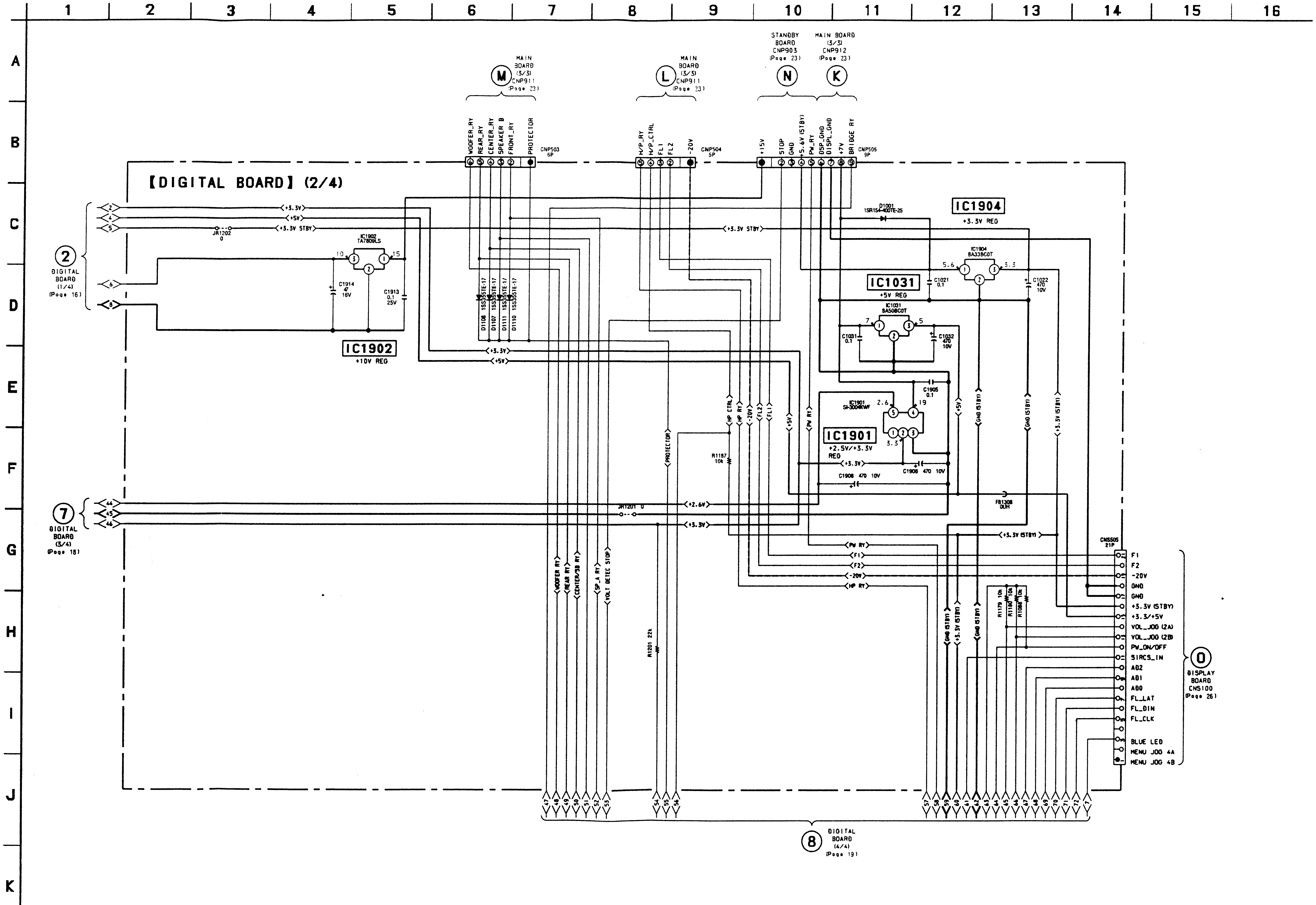
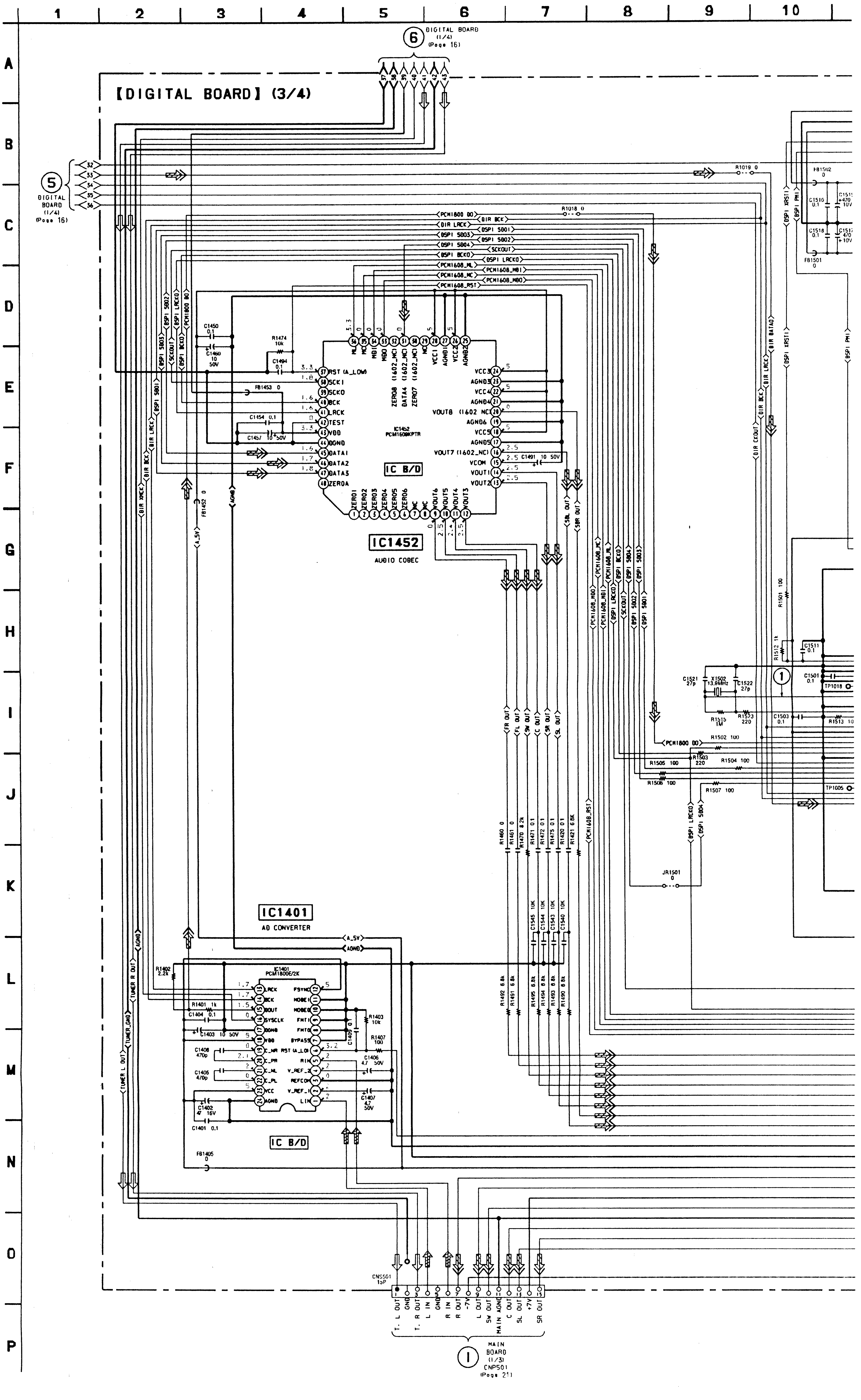
G
H
I
J
K
L
[DIGITAL BOARD] (1/4)
IC1351
OPTICAL IN
IC1351 TORX141L
VIDEO 2 IN
R1351 100
C1351 0.1
OPTICAL
DIGITAL
IC1354
OPTICAL IN
IC1354 TORX141L
SA-CD/ CD IN
R1354 100
C1354 0.1
JR1302 0
JR1303 0
J1301 1P
DVD IN COAXIAL
R1355 75
C1361 0.1
C1355 22 25V
R1356 1k
FB1306 0
D1302 1SS355TE-17
C1357 1p
R1357 22k
R1358 560k
C1358 0.1
C1359 1000 6.3V
C1356 0.01
C1362 0.1
IC1303 TC7WU04F(TE12R)
IC1303
INVERTER
R1359 100
C1360 47p
C1004 0.022
D1003 1SS367-T3SONY
D1004 1SS367-T3SONY
R1362 100
C1302 0.01
R1301 5.6k
R1303 33k
R1302 4.7k
C1301 0.1
C1303 0.1
R1304 100
C1304 0.01
C1305 0.1
C1306 47 16V
IC1301
DIGITAL AUDIO I/F RECEIVER
IC1301 LC89056W-E
IC B/D
C1314 0.1
C1315 0.01
R1318 10k
C1313 100p
R1316 100
R1314 10k
R1315 100
R1313 100
R1312 100
C1312 0.1
R1311 100
TP1003
R1308 100
R1310 1M
X1301 12.288MHz
C1308 0.1
C1310 18p
C1309 18p
TP1004
D1301 1SS355TE-17
R1305 680
R1309 100
R1307 100
R1306 100
FB1305 0
JR1311 0
BIR XMODE
BIR CKSEL1
BIR CLK
BIR CE
BIR DI
BIR DO
BIR ERROR
TUNER L OUT
TUNER_GND
TUNER R OUT
BIR DATAO
BIR XSTATE
DIGITAL BOARD (4/4) (Page 19)
VIDEO BOARD CN5250 (Page 30)
V.SW4
V.SW3
V.SW2
V.SW1
I2C_CLK
I2C
RST
COMP.SW1
COMP.SW2
NTSC/PAL
OPTICAL +5
3.3V
GND
CN509 13P
SW1
SW2
SW3
SW4
TM1 TUNER UNIT
MUTING
R CH
GND
L CH
STEREO
TUNED
VDD 10V
CE
DATA
DO
CLOCK
CN508 11P
FB1302 0
+3.3V
+5V
R1261 1k
R1260 1k
C1252 0.1
C1253 0.1
C1251 0.1
R1252 39k
R1251 39k
TUNER R OUT
TUNER L OUT
T.LAT
T.DATA
T.SERIAL CLK
DO
T.MUTE
T.AUTO STOP
T.STEREO
DIGITAL BOARD (3/4) (Page 18)
DIGITAL BOARD (2/4) (Page 17)
DIGITAL BOARD (4/4) (Page 19)
DIGITAL BOARD (3/4) (Page 18)
DIGITAL BOARD (3/4) (Page 18)

3-6. SCHEMATIC DIAGRAM – DIGITAL BOARD (2/4) –


【DIGITAL BOARD】 (2/4)
MAIN BOARD (3/3) CNP911 (Page 23)
MAIN BOARD (3/3) CNP911 (Page 23)
STANDBY BOARD CNP903 (Page 23)
MAIN BOARD (3/3) CNP912 (Page 23)
WOOFER_RY
REAR_RY
CENTER_RY
SPEAKER B
FRONT_RY
PROTECTOR
CNP503 6P
H/P_RY
H/P_CTRL
FL1
FL2
-20V
CNP504 5P
+15V
STOP
GND
+5.6V (STBY)
PW_RY
DSP_GND
DISPL_GND
+7V
BRIDGE RY
CNP505 9P
DIGITAL BOARD (1/4) (Page 16)
+3.3V
+5V
+3.3V STBY
JR1202 0
IC1902 TA7809LS
10
15
C1914 47 16V
C1913 0.1 25V
IC1902
+10V REG
D1108 1SS355TE-17
D1107 1SS355TE-17
D1111 1SS355TE-17
D1110 1SS355TE-17
D1001 1SR154-400TE-25
IC1904
+3.3V REG
IC1904 BA33BC0T
5.6
3.3
C1021 0.1
C1022 470 10V
IC1031
+5V REG
IC1031 BA50BC0T
7
5
C1031 0.1
C1032 470 10V
C1905 0.1
IC1901 SI-3004KWF
2.6
19
3.3
IC1901
+2.5V/+3.3V REG
C1906 470 10V
C1908 470 10V
FB1308 0UH
HP CTRL
HP RY
-20V
FL2
FL1
PW RY
GND (STBY)
+3.3V (STBY)
PROTECTOR
R1187 10k
DIGITAL BOARD (3/4) (Page 18)
JR1201 0
+2.6V
+3.3V
F1
F2
WOOFER RY
REAR RY
CENTER/SB RY
SP_A RY
VOLT DETEC STOP
R1201 22k
R1179 10k
R1180 10k
R1088 10k
CNS505 21P
F1
F2
-20V
GND
GND
+3.3V (STBY)
+3.3/+5V
VOL_JOG (2A)
VOL_JOG (2B)
PW_ON/OFF
SIRCS_IN
AD2
AD1
AD0
FL_LAT
FL_DIN
FL_CLK
BLUE LED
MENU JOG 4A
MENU JOG 4B
DISPLAY BOARD CNS100 (Page 26)
DIGITAL BOARD (4/4) (Page 19)

3-7. SCHEMATIC DIAGRAM – DIGITAL BOARD (3/4) – • See page 11 for Waveform. • See page 32, 33 for IC Block D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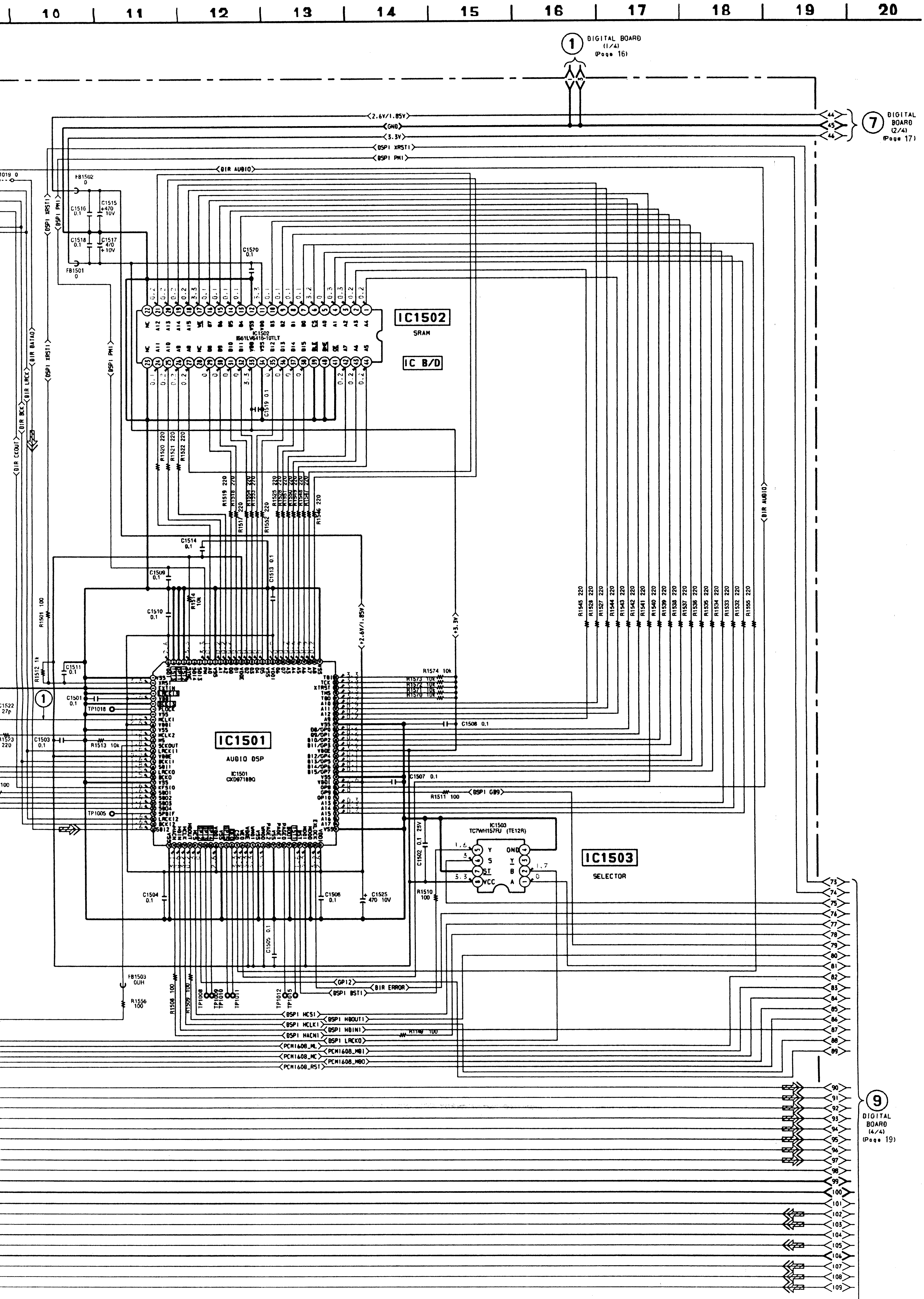
J
K
L
M
N
O
P
⑥ DIGITAL BOARD (1/4) (Page 16)
37 38 39 40 41 42 43
[DIGITAL BOARD] (3/4)
⑤ DIGITAL BOARD (1/4) (Page 16)
32 33 34 35 36
R1019 0
R1018 0
FB1502 0
FB1501 0
C1516 0.1
C1518 0.1
PCM1800 DO
DIR BCK
DIR LRCK
DSP1 SDO1
DSP1 SDO3
DSP1 SDO2
DSP1 SDO4
SCKOUT
DSP1 BCKO
DSP1 LRCKO
PCM1608_ML
PCM1608_MDI
PCM1608_MC
PCM1608_MDO
PCM1608_RST
C1450 0.1
C1460 10 50V
R1474 10k
C1494 0.1
FB1453 0
C1454 0.1
C1457 10 50V
RST (A_LOW)
SCKI
SCKO
BCK
LRCK
TEST
VDD
DGND
DATA1
DATA2
DATA3
ZEROA
VCC3
AGND3
VCC4
AGND4
VOUT8 (1602_NC)
AGND6
VCC5
AGND5
VOUT7 (1602_NC)
VCOM
VOUT1
VOUT2
C1491 10 50V
IC1452 PCM1608KPTR
IC B/D
IC1452
AUDIO CODEC
FB1452 0
A_5V
AGND
SBL OUT
SBR OUT
FR OUT
FL OUT
SW OUT
C OUT
SR OUT
SL OUT
R1460 0
R1461 0
R1470 8.2k
R1471 0.1
R1472 0.1
R1475 0.1
R1420 0.1
R1421 6.8K
C1545 10K
C1544 10K
C1543 10K
C1540 10K
R1492 6.8k
R1491 6.8k
R1495 6.8k
R1494 6.8k
R1493 6.8k
R1490 6.8k
IC1401
AD CONVERTER
IC1401 PCM1800E/2K
R1402 2.2k
R1401 1k
C1404 0.1
C1403 10 50V
C1408 470p
C1405 470p
C1402 47 16V
C1401 0.1
FSYNC
MODE1
MODE0
FMT1
FMT0
BYPASS
RST (A_LO)
RIN
V_REF_2
REFCOM
V_REF_1
LIN
LRCK
BCK
DOUT
SYSCLK
DGND
VDD
C_NR
C_PR
C_NL
C_PL
VCC
AGND
R1403 10k
R1407 100
C1409 0.1
C1406 4.7 50V
C1407 4.7 50V
IC B/D
FB1405 0
TUNER R OUT
TUNER L OUT
TUNER GND
DIR XMCK
R1501 100
R1512 1k
C1511 0.1
C1521 27p
X1502 13.8MHz
C1522 27p
①
C1501 0.1
TP1018
C1503 0.1
R1515 1M
R1523 220
R1513 10
R1502 100
R1503 220
R1504 100
R1505 100
R1506 100
R1507 100
TP1005
JR1501 0
DSP1 XRST1
DSP1 PM1
DIR DATAO
DIR CKOUT
CNS501 15P
T. L OUT
GND
T. R OUT
L IN
GND
R IN
R OUT
-7V
L OUT
SW OUT
MAIN AGND
C OUT
SL OUT
+7V
SR OUT
① MAIN BOARD (1/3) CNP501 (Page 21)

for IC Block Diagrams.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① DIGITAL BOARD (1/4) (Page 16)
⑦ DIGITAL BOARD (2/4) (Page 17)
⑨ DIGITAL BOARD (4/4) (Page 19)
2.6V/1.85V
GND
3.3V
DSP1 XRST1
DSP1 PM1
DIR AUDIO
DIR DATA0
DIR LRCK
DIR BCK
DIR CKOUT
FB1501 0
FB1502 0
FB1503 0UH
C1515 470 10V
C1516 0.1
C1517 470 10V
C1518 0.1
C1520 0.1
C1519 0.1
C1514 0.1
C1509 0.1
C1510 0.1
C1513 0.1
C1511 0.1
C1501 0.1
C1503 0.1
C1522 27p
C1504 0.1
C1505 0.1
C1506 0.1
C1507 0.1
C1508 0.1
C1502 0.1 25V
C1525 470 10V
IC1502
SRAM
IC B/D
IC1502 IS61LV6416-10TLT
IC1501
AUDIO DSP
IC1501 CXD9718BQ
IC1503
SELECTOR
IC1503 TC7WH157FU (TE12R)
R1501 100
R1512 1k
R1513 10k
R1514 10k
R1510 100
R1511 100
R1508 100
R1509 100
R1556 100
R1574 10k
R1573 10k
R1572 10k
R1571 10k
R1570 10k
R1520 220
R1521 220
R1522 220
R1519 220
R1518 220
R1517 220
R1552 220
R1525 220
R1546 220
R1545 220
R1528 220
R1527 220
R1544 220
R1543 220
R1542 220
R1541 220
R1540 220
R1539 220
R1538 220
R1537 220
R1536 220
R1535 220
R1534 220
R1533 220
R1532 220
R1555 220
R1140 100
TP1018
TP1005
TP1008
TP1009
TP1010
TP1011
TP1012
DSP1 GB9
GPI2
DIR ERROR
DSP1 BST1
DSP1 HCS1
DSP1 HCLK1
DSP1 HACN1
DSP1 HBOUT1
DSP1 HBIN1
DSP1 LRCKO
PCM1608_ML
PCM1608_MC
PCM1608_RST
PCM1608_MBI
PCM1608_MBO
44
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100
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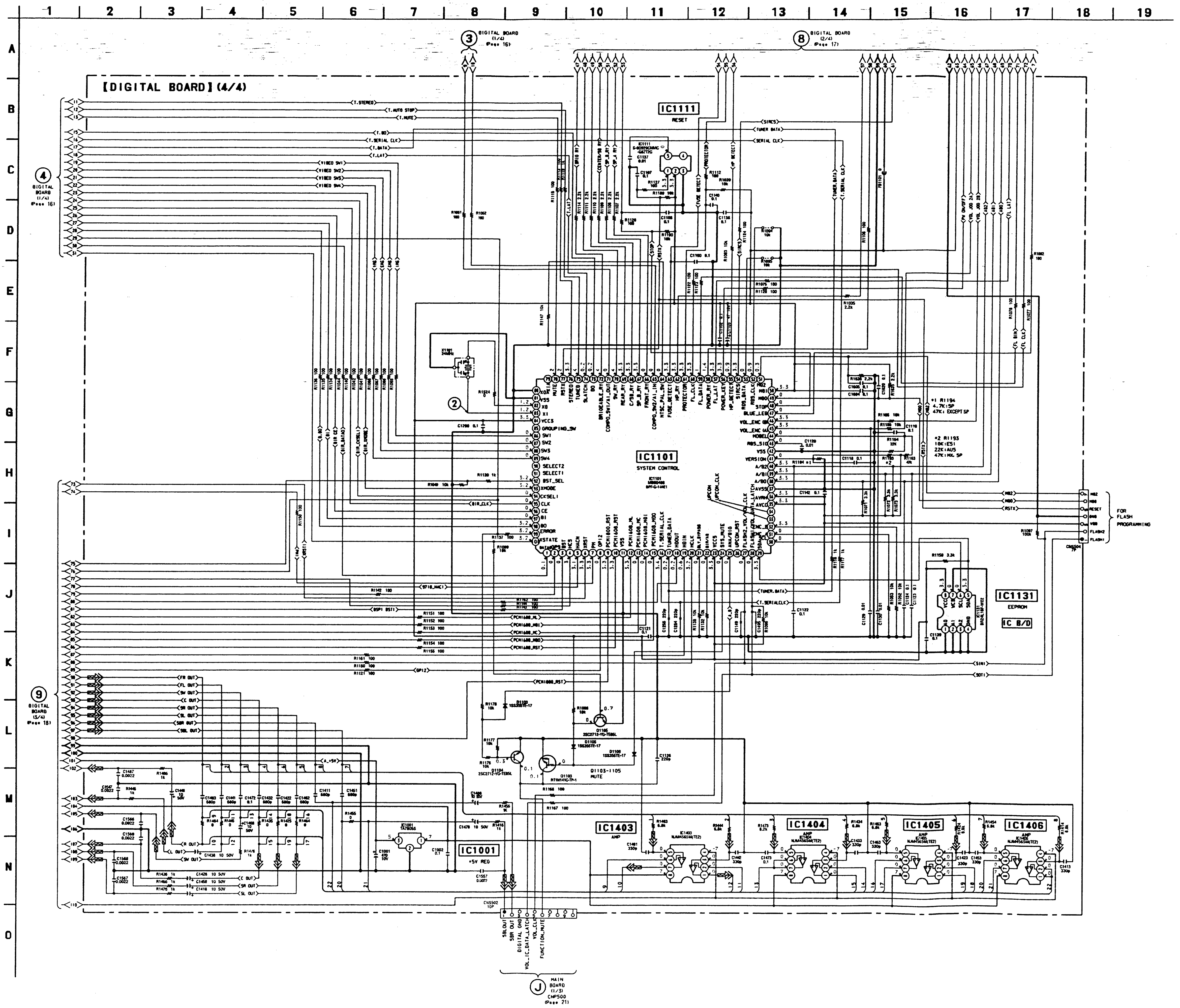
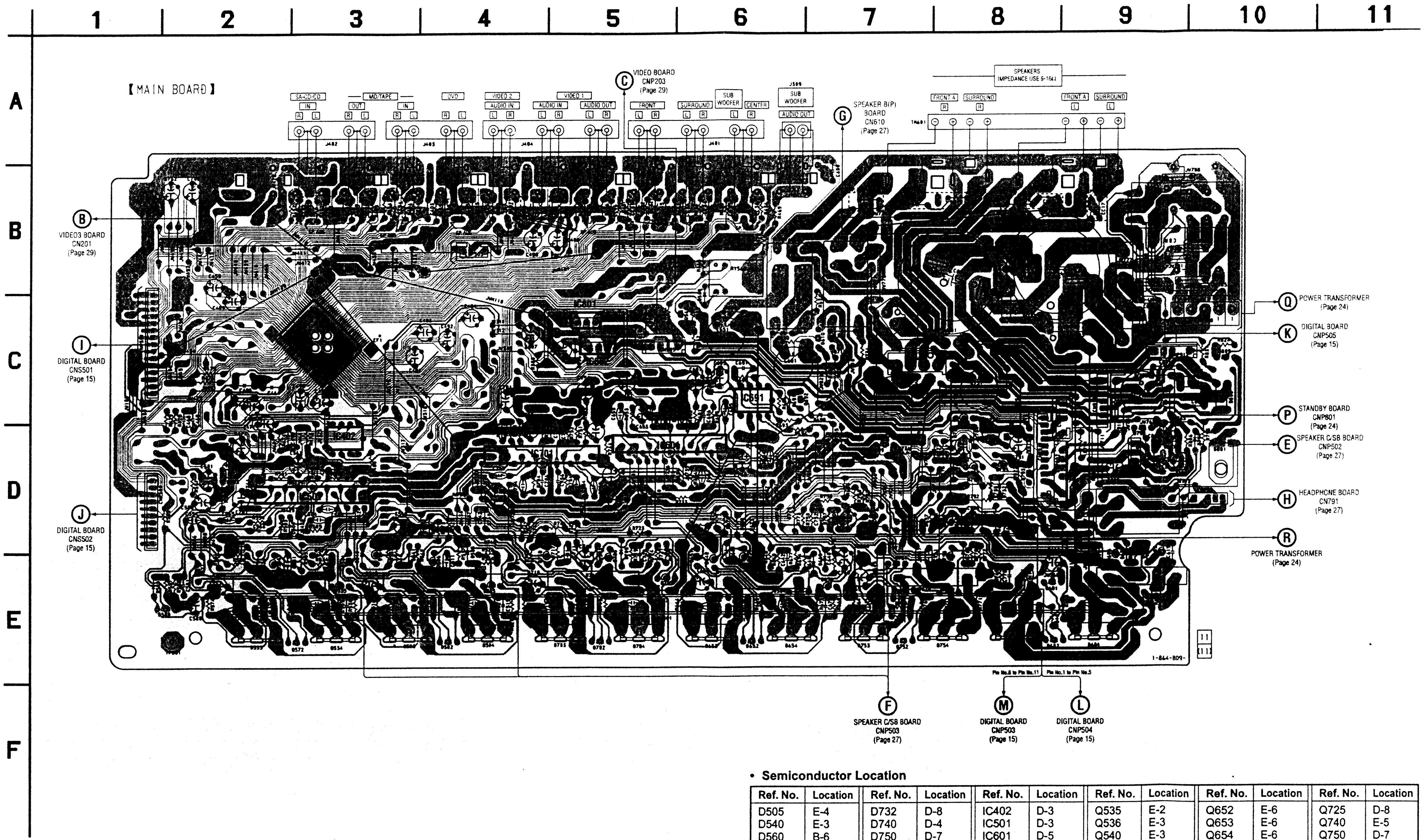
3-8. SCHEMATIC DIAGRAM – DIGITAL BOARD (4/4) – • See page 11 for Waveform. • See page 31 for IC Block Diagram. • See page 36 for IC Pin Function Description.


[DIGITAL BOARD] (4/4)
③ DIGITAL BOARD (1/4) (Page 16)
⑧ DIGITAL BOARD (2/4) (Page 17)
④ DIGITAL BOARD (1/4) (Page 16)
⑨ DIGITAL BOARD (3/4) (Page 18)
IC1111 RESET
IC1101 SYSTEM CONTROL
IC1131 EEPROM
IC B/D
IC1001 +5V REG
IC1403 AMP
IC1404 AMP
IC1405 AMP
IC1406 AMP
Q1103-1105 MUTE
X1101
CN5504 7P
FOR FLASH PROGRAMMING
CN5502 10P
SBL OUT
SBR OUT
DIGITAL GND
VOL_IC_DATA_LATCH
VOL_CLK
FUNCTION_MUTE
Ⓙ MAIN BOARD (1/3) CNP500 (Page 21)
*1 R1194 4.7K: SP 47K: EXCEPT SP
*2 R1193 10K: E51 22K: AUS 47K: MX, SP
A B C D E F G H I J K L M N O
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

3-9. PRINTED WIRING BOARD – MAIN BOARD –

• See page 11 for Circuit Boards Location. LF :Uses unleaded solder.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A
B
C
D
E
F
【MAIN BOARD】
SA-CD/CD
IN
MD/TAPE
OUT
IN
DVD
VIDEO 2
AUDIO IN
VIDEO 1
AUDIO IN
AUDIO OUT
R
L
J402
J403
J404
J401
C VIDEO BOARD CNP203 (Page 29)
FRONT
SURROUND
SUB WOOFER
CENTER
J509
SUB WOOFER
AUDIO OUT
G SPEAKER B(P) BOARD CN610 (Page 27)
SPEAKERS IMPEDANCE USE 6-16Ω
FRONT A
SURROUND
TM601
B VIDEO3 BOARD CN201 (Page 29)
I DIGITAL BOARD CNS501 (Page 15)
J DIGITAL BOARD CNS502 (Page 15)
Q POWER TRANSFORMER (Page 24)
K DIGITAL BOARD CNP505 (Page 15)
P STANDBY BOARD CNP801 (Page 24)
E SPEAKER C/SB BOARD CNP502 (Page 27)
H HEADPHONE BOARD CN791 (Page 27)
R POWER TRANSFORMER (Page 24)
IC801
IC691
1-864-809-
Pin No.6 to Pin No.11
Pin No.1 to Pin No.5
F SPEAKER C/SB BOARD CNP503 (Page 27)
M DIGITAL BOARD CNP503 (Page 15)
L DIGITAL BOARD CNP504 (Page 15)

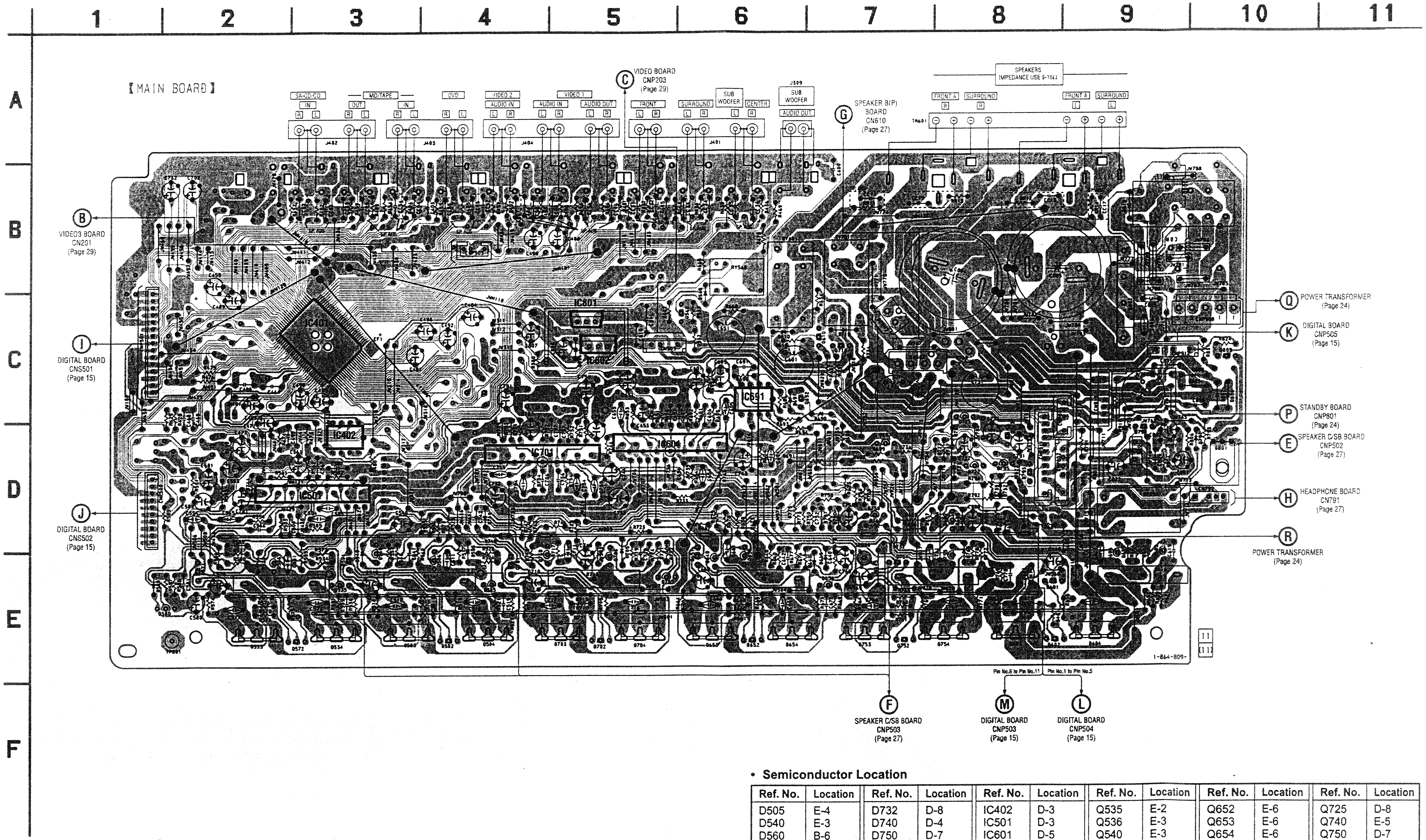
- **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D505	E-4	D732	D-8	IC402	D-3	Q535	E-2	Q652	E-6	Q725	D-8
D540	E-3	D740	D-4	IC501	D-3	Q536	E-3	Q653	E-6	Q740	E-5
D560	B-6	D750	D-7	IC601	D-5	Q540	E-3	Q654	E-6	Q750	D-7
D580	E-1	D765	E-8	IC691	C-6	Q560	C-6	Q655	E-6	Q751	E-7
D585	D-2	D791	D-10	IC701	D-4	Q571	E-2	Q656	E-7	Q752	E-7
D605	E-9	D801	D-9	IC801	C-5	Q572	E-3	Q680	D-8	Q753	E-7
D610	C-6	D802	C-9	IC802	C-5	Q580	E-1	Q691	D-7	Q754	E-8
D640	E-7	D804	D-9			Q601	E-9	Q701	E-4	Q755	E-8
D665	E-7	D805	C-10	Q501	E-3	Q602	E-9	Q702	E-5	Q756	E-8
D680	D-8	D806	C-10	Q502	E-4	Q603	E-8	Q703	E-5	Q790	D-9
D690	C-7	D807	C-10	Q503	E-4	Q604	E-9	Q704	E-5	Q793	D-8
D691	C-6	D808	C-10	Q504	E-4	Q605	E-9	Q705	E-5	Q795	D-8
D705	E-5	D818	B-9	Q505	E-4	Q606	E-9	Q706	E-5	Q801	D-9
D710	C-7	D896	C-5	Q506	E-4	Q610	C-7	Q710	C-7	Q809	C-10
D721	D-8			Q533	E-2	Q640	E-6	Q722	D-8		
D722	D-8	IC401	C-3	Q534	E-3	Q651	E-6	Q723	D-8		

3-9. PRINTED WIRING BOARD – MAIN BOARD –

• See page 11 for Circuit Boards Location.

LF :Uses unleaded solder.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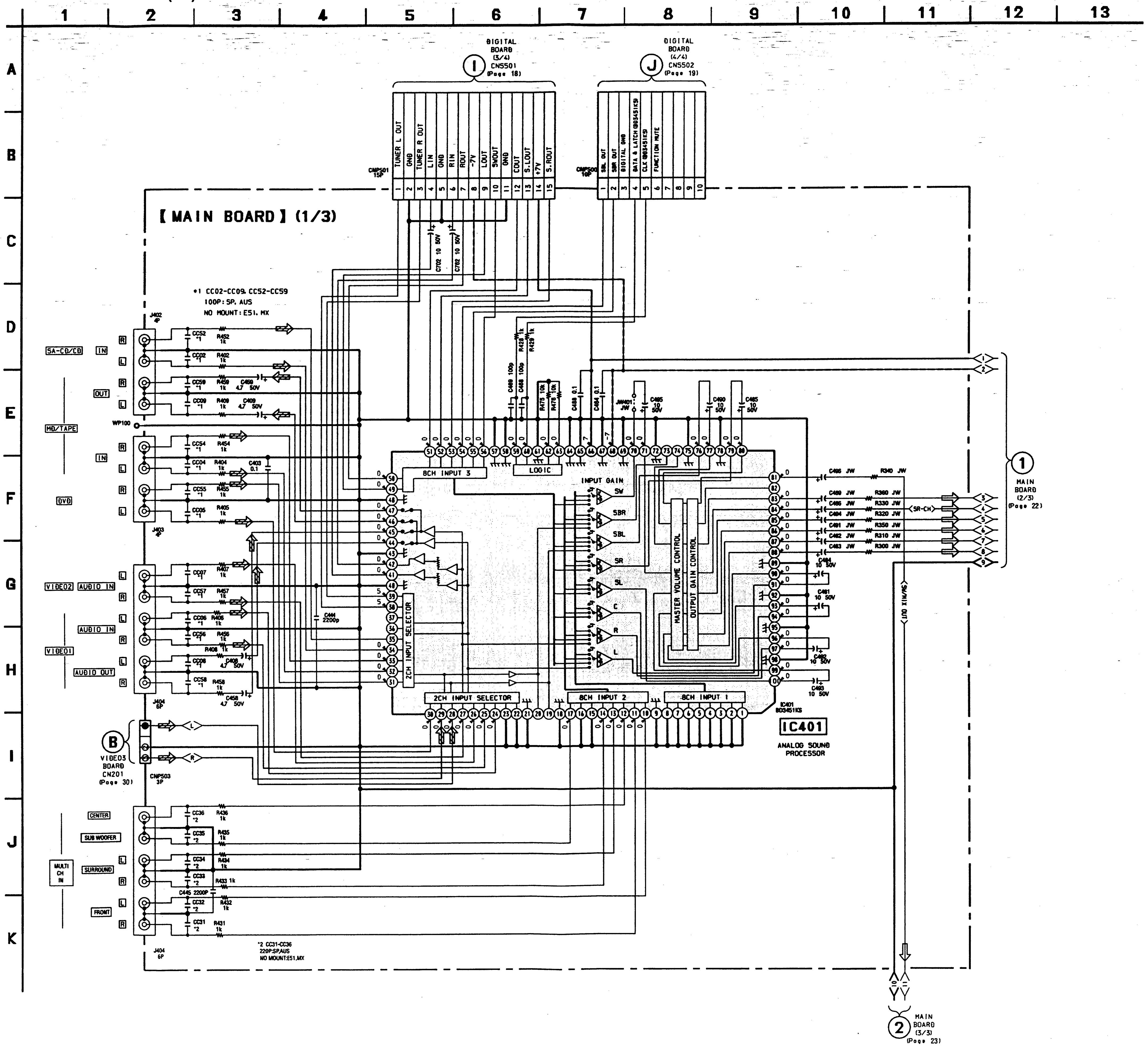
A
B
C
D
E
F
【MAIN BOARD】
SA-CD/CD
IN
R L
MD/TAPE
OUT
R L
IN
R L
DVD
R L
VIDEO 2
AUDIO IN
L R
VIDEO 1
AUDIO IN
L R
AUDIO OUT
L R
FRONT
L R
SURROUND
L R
SUB WOOFER
L
CENTER
R
J309
SUB WOOFER
AUDIO OUT
J402
J403
J404
J401
C VIDEO BOARD CNP203 (Page 29)
G SPEAKER B(P) BOARD CN610 (Page 27)
SPEAKERS
IMPEDANCE USE 6-16Ω
FRONT A
R
SURROUND
R
FRONT A
L
SURROUND
L
TM601
B VIDEO3 BOARD CN201 (Page 29)
I DIGITAL BOARD CNS501 (Page 15)
J DIGITAL BOARD CNS502 (Page 15)
Q POWER TRANSFORMER (Page 24)
K DIGITAL BOARD CNP505 (Page 15)
P STANDBY BOARD CNP801 (Page 24)
E SPEAKER C/SB BOARD CN791 (Page 27)
H HEADPHONE BOARD CN791 (Page 27)
R POWER TRANSFORMER (Page 24)
IC401
IC402
IC501
IC601
IC691
IC701
IC801
IC802
1-864-809-
11
(11)
Pin No.6 to Pin No.11
Pin No.1 to Pin No.5
F SPEAKER C/SB BOARD CNP503 (Page 27)
M DIGITAL BOARD CNP503 (Page 15)
L DIGITAL BOARD CNP504 (Page 15)

- **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D505	E-4	D732	D-8	IC402	D-3	Q535	E-2	Q652	E-6	Q725	D-8
D540	E-3	D740	D-4	IC501	D-3	Q536	E-3	Q653	E-6	Q740	E-5
D560	B-6	D750	D-7	IC601	D-5	Q540	E-3	Q654	E-6	Q750	D-7
D580	E-1	D765	E-8	IC691	C-6	Q560	C-6	Q655	E-6	Q751	E-7
D585	D-2	D791	D-10	IC701	D-4	Q571	E-2	Q656	E-7	Q752	E-7
D605	E-9	D801	D-9	IC801	C-5	Q572	E-3	Q680	D-8	Q753	E-7
D610	C-6	D802	C-9	IC802	C-5	Q580	E-1	Q691	D-7	Q754	E-8
D640	E-7	D804	D-9			Q601	E-9	Q701	E-4	Q755	E-8
D665	E-7	D805	C-10	Q501	E-3	Q602	E-9	Q702	E-5	Q756	E-8
D680	D-8	D806	C-10	Q502	E-4	Q603	E-8	Q703	E-5	Q790	D-9
D690	C-7	D807	C-10	Q503	E-4	Q604	E-9	Q704	E-5	Q793	D-8
D691	C-6	D808	C-10	Q504	E-4	Q605	E-9	Q705	E-5	Q795	D-8
D705	E-5	D818	B-9	Q505	E-4	Q606	E-9	Q706	E-5	Q801	D-9
D710	C-7	D896	C-5	Q506	E-4	Q610	C-7	Q710	C-7	Q809	C-10
D721	D-8			Q533	E-2	Q640	E-6	Q722	D-8		
D722	D-8	IC401	C-3	Q534	E-3	Q651	E-6	Q723	D-8		

3-10. SCHEMATIC DIAGRAM – MAIN BOARD (1/3) –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A
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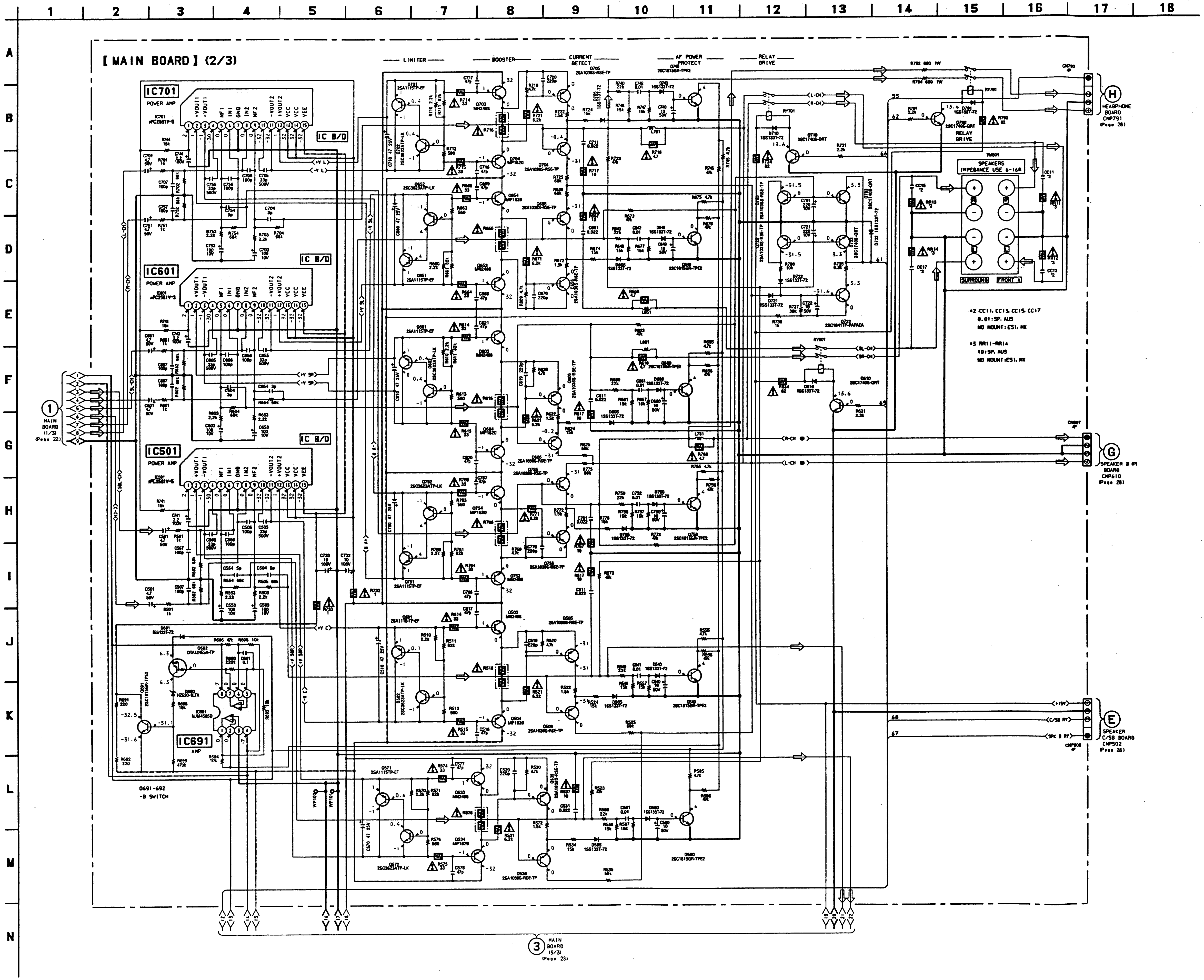
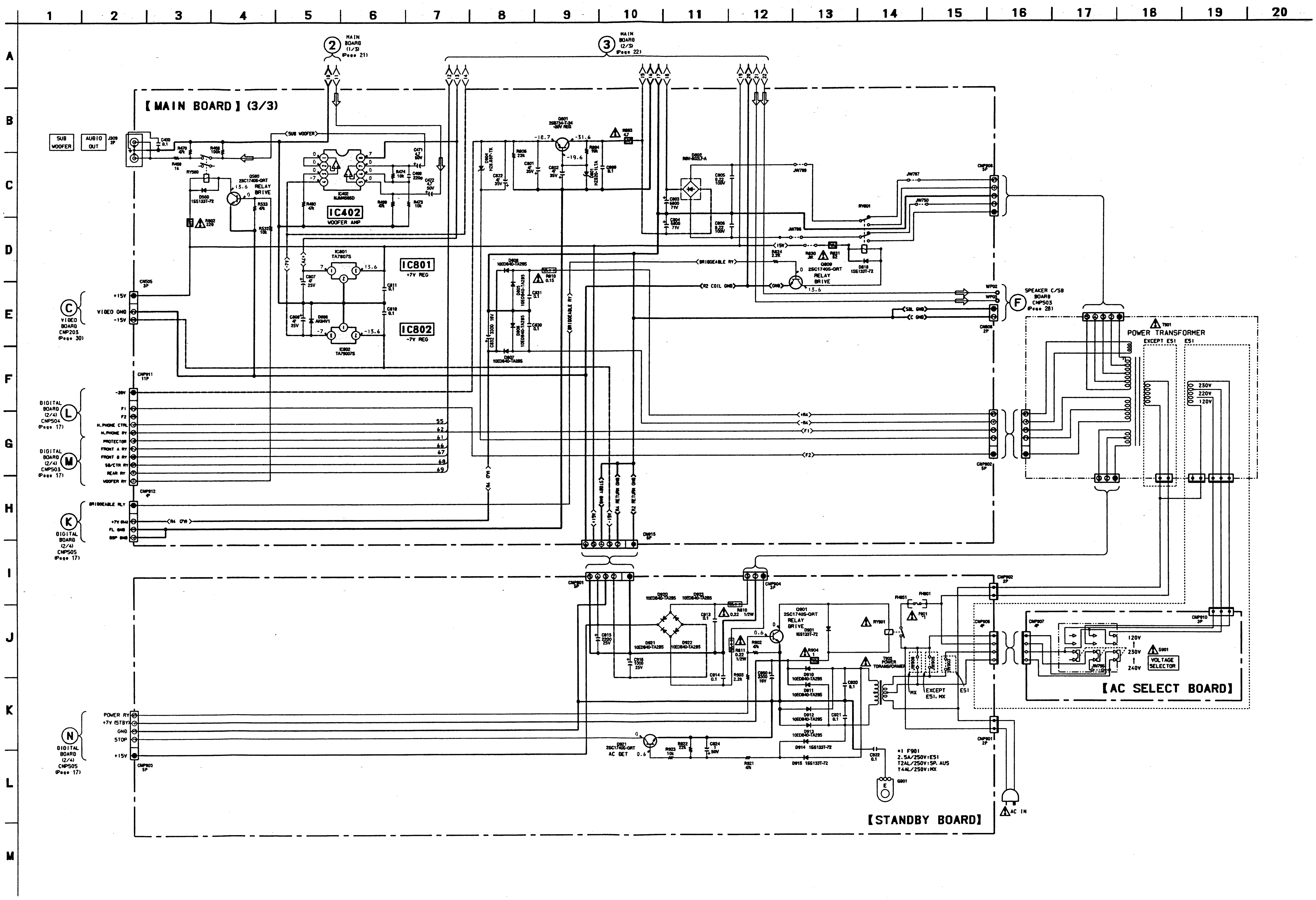
G
H
I
J
K
DIGITAL BOARD (3/4) CN5501 (Page 18)
DIGITAL BOARD (4/4) CN5502 (Page 19)
CNP501 15P
TUNER L OUT
GND
TUNER R OUT
LIN
GND
RIN
ROUT
-7V
LOUT
5VOUT
GND
COUT
S.LOUT
+7V
S.ROUT
CNP500 10P
SBL OUT
SBR OUT
DIGITAL GND
DATA & LATCH (BD3451KS)
CLK (BD3451KS)
FUNCTION MUTE
【MAIN BOARD】(1/3)
*1 CC02-CC09, CC52-CC59
100P: SP, AUS
NO MOUNT: E51, MX
SA-CD/CD
IN
OUT
MD/TAPE
DVD
VIDEO2 AUDIO IN
VIDEO1 AUDIO IN
AUDIO OUT
WP100
J402 4P
J403 4P
J404 6P
B VIDEO3 BOARD CN201 (Page 30)
CNP503 3P
CENTER
SUB WOOFER
SURROUND
FRONT
MULTI CH IN
*2 CC31-CC36
220P:SP,AUS
NO MOUNT:E51,MX
8CH INPUT 3
LOGIC
INPUT GAIN
SW
SBR
SBL
SR
SL
C
R
L
MASTER VOLUME CONTROL
OUTPUT GAIN CONTROL
2CH INPUT SELECTOR
8CH INPUT 2
8CH INPUT 1
IC401 BD3451KS
IC401
ANALOG SOUND PROCESSOR
SR-CH
SW/MIX OUT
1 MAIN BOARD (2/3) (Page 22)
2 MAIN BOARD (3/3) (Page 23)

3-11. SCHEMATIC DIAGRAM – MAIN BOARD (2/3) – • See page 33 for IC Block Diagrams.


【MAIN BOARD】(2/3)
LIMITER
BOOSTER
CURRENT DETECT
AF POWER PROTECT
RELAY DRIVE
IC701 POWER AMP
IC601 POWER AMP
IC501 POWER AMP
IC691 AMP
IC B/D
Q691-692 -B SWITCH
SPEAKERS IMPEDANCE USE 6-16Ω
SURROUND
FRONT A
*2 CC11, CC13, CC15, CC17 0.01:SP, AUS NO MOUNT:E51, MX
*3 RR11-RR14 10:SP, AUS NO MOUNT:E51, MX
① MAIN BOARD (1/3) (Page 22)
③ MAIN BOARD (3/3) (Page 23)
Ⓗ HEADPHONE BOARD CNP791 (Page 28)
Ⓖ SPEAKER B (P) BOARD CNP610 (Page 28)
Ⓔ SPEAKER C/SB BOARD CNP502 (Page 28)
RELAY DRIVE
RY701
RY801
CN792
CN607
CNP808

3-12. SCHEMATIC DIAGRAM – MAIN BOARD (3/3) –


【MAIN BOARD】(3/3)
【STANDBY BOARD】
【AC SELECT BOARD】
SUB WOOFER
AUDIO OUT
IC402
WOOFER AMP
IC801
+7V REG
IC802
-7V REG
MAIN BOARD (1/3) (Page 21)
MAIN BOARD (2/3) (Page 22)
VIDEO BOARD CNP203 (Page 30)
DIGITAL BOARD (2/4) CNP504 (Page 17)
DIGITAL BOARD (2/4) CNP503 (Page 17)
DIGITAL BOARD (2/4) CNP505 (Page 17)
SPEAKER C/SB BOARD CNP503 (Page 28)
POWER TRANSFORMER
EXCEPT E51
E51
230V
220V
120V
VOLTAGE SELECTOR
120V
230V
240V
RELAY DRIVE
AC DET
AC IN
EXCEPT E51, MX
*1 F901
2.5A/250V:E51
T2AL/250V:SP, AUS
T4AL/250V:MX
+15V
VIDEO GND
-15V
-20V
F1
F2
H.PHONE CTRL
H.PHONE RY
PROTECTOR
FRONT A RY
FRONT B RY
SB/CTR RY
REAR RY
WOOFER RY
BRIDGEABLE RLY
+7V (R4)
FL GND
BSP GND
POWER RY
+7V (STBY)
GND
STOP
+15V
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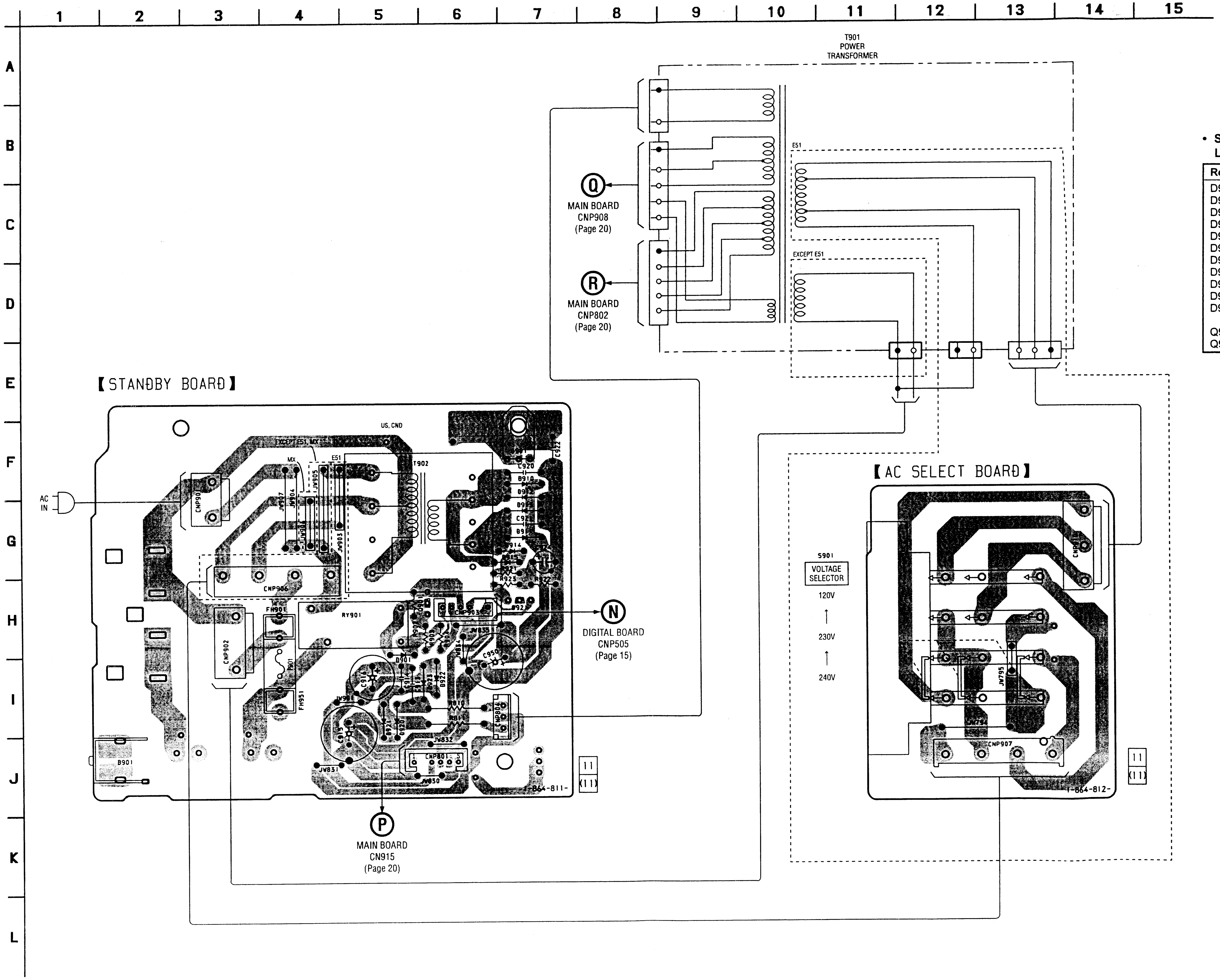
3-13. PRINTED WIRING BOARD – STANDBY SECTION –

• See page 11 for Circuit Boards Location. LF :Uses unleaded solder.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G
H
I
J
K
L
T901
POWER
TRANSFORMER
E51
EXCEPT E51
Q
MAIN BOARD
CNP908
(Page 20)
R
MAIN BOARD
CNP802
(Page 20)
【STANDBY BOARD】
AC
IN
CNP901
CNP906
CNP902
FH901
FH951
RY901
T902
B901
US, CND
EXCEPT E51, MX
MX
N
DIGITAL BOARD
CNP505
(Page 15)
P
MAIN BOARD
CN915
(Page 20)
1-664-811-
11
(11)
【AC SELECT BOARD】
S901
VOLTAGE
SELECTOR
120V
230V
240V
CNP907
JW795
1-664-812-
11
(11)

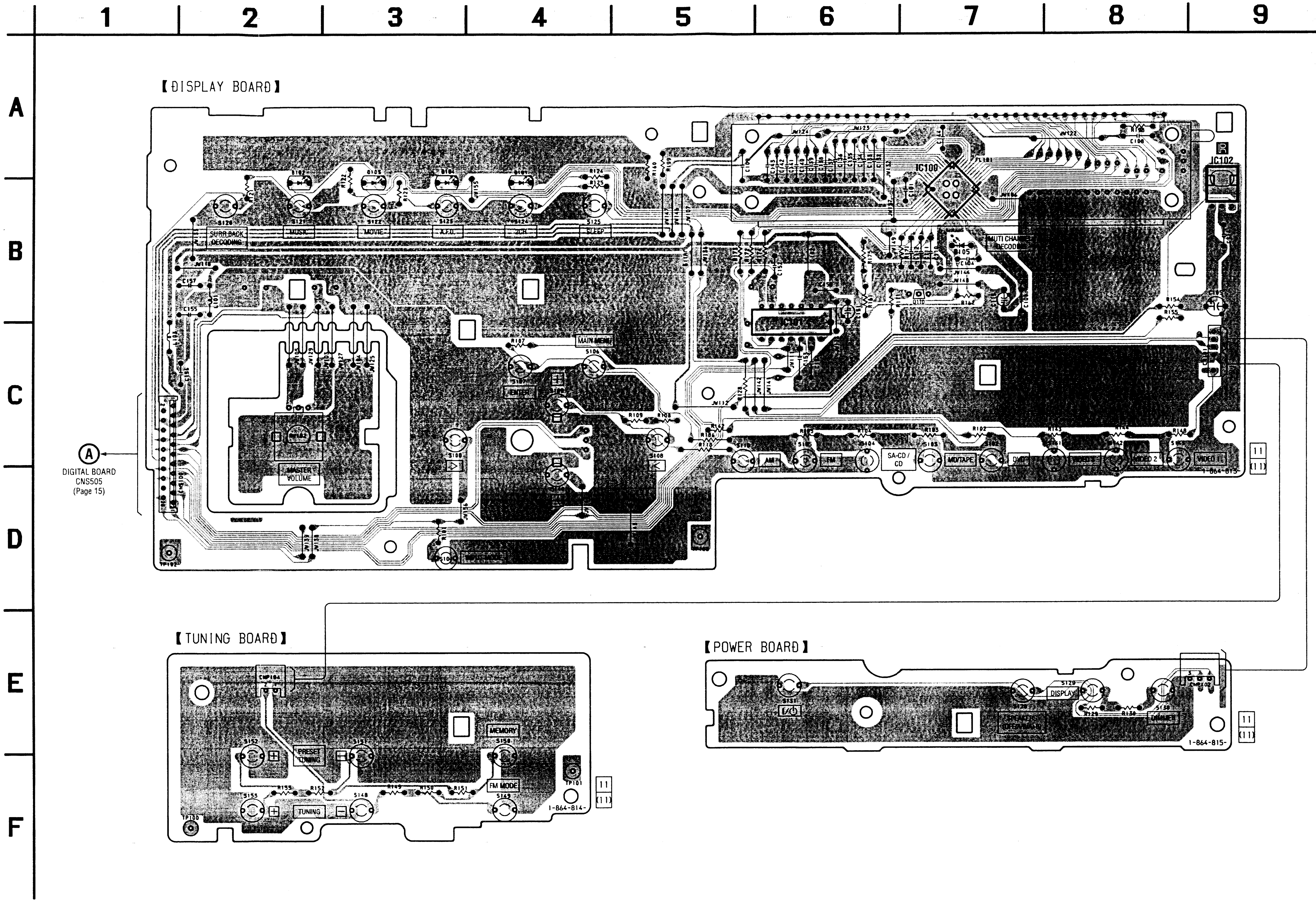
• **Semiconductor Location**

Ref. No.	Location
D901	H-5
D910	F-7
D911	G-7
D912	G-7
D913	G-7
D914	G-7
D915	G-7
D920	I-5
D921	I-5
D922	I-6
D923	I-6
Q901	H-6
Q921	H-7

3-14. PRINTED WIRING BOARD – DISPLAY SECTION –

• See page 11 for Circuit Boards Location.

LF :Uses unleaded solder.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A
B
C
D
E
F
【DISPLAY BOARD】
【TUNING BOARD】
【POWER BOARD】
Ⓐ
DIGITAL BOARD
CNS505
(Page 15)
IC100
IC101
IC102
Q110
SURR BACK DECODING
MUSIC
MOVIE
A.F.D.
2CH
SLEEP
MAIN MENU
ENTER
MASTER VOLUME
MUTI CHANNEL DECODING
AM
FM
SA-CD/CD
MD/TAPE
DVD
VIDEO 2
VIDEO 1
MEMORY
PRESET TUNING
FM MODE
TUNING
DISPLAY
SPEAKERS
DIMMER
TP100
TP101
TP102
CNP104
CNP102
1-864-813-
1-864-814-
1-864-815-
11
(11)

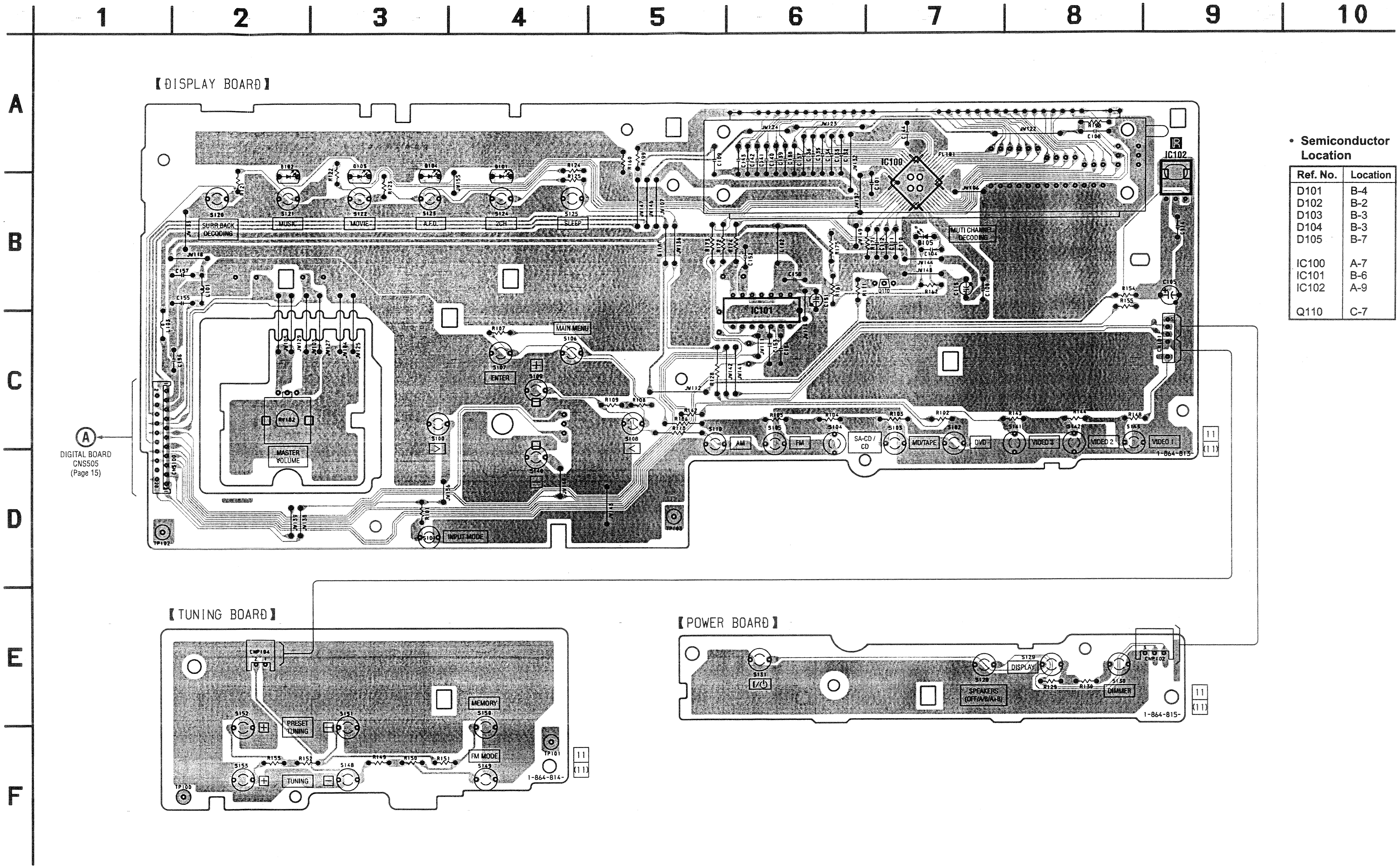
- **Semiconductor Location**

Ref. No.	Location
D101	B-4
D102	B-2
D103	B-3
D104	B-3
D105	B-7
IC100	A-7
IC101	B-6
IC102	A-9
Q110	C-7

3-14. PRINTED WIRING BOARD – DISPLAY SECTION –

• See page 11 for Circuit Boards Location.

LF :Uses unleaded solder.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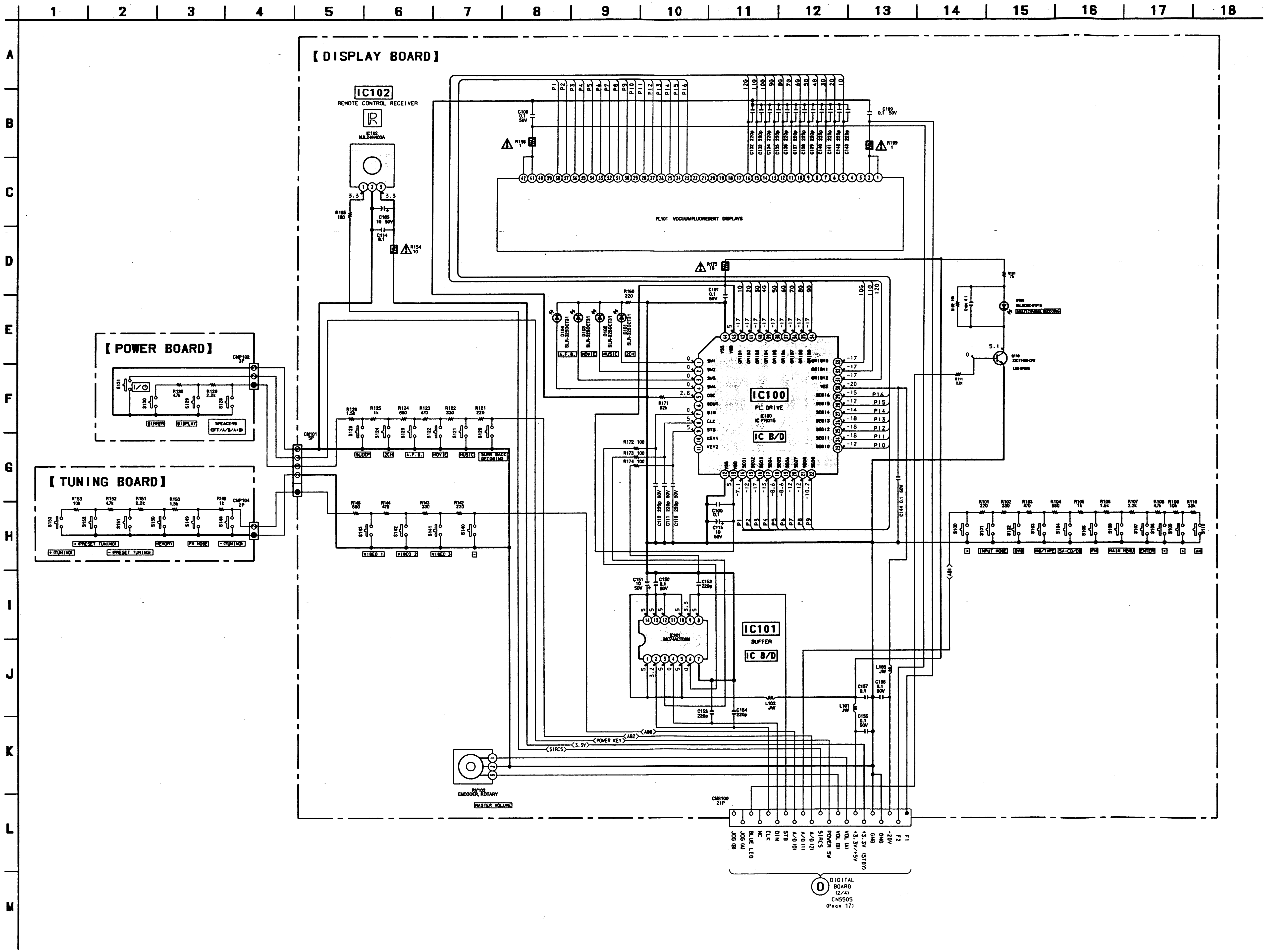
10
A
B
C
D
E
F
【DISPLAY BOARD】
SURR BACK DECODING
MUSIC
MOVIE
A.F.D.
2CH
SLEEP
MUTI CHANNEL DECODING
IC100
IC101
IC102
FL101
MAIN MENU
ENTER
MASTER VOLUME
INPUT MODE
AM
FM
SA-CD / CD
MD/TAPE
DVD
VIDEO 3
VIDEO 2
VIDEO 1
1-864-813-
11
(11)
A
DIGITAL BOARD
CNS505
(Page 15)
TP102
TP103
【TUNING BOARD】
CNP104
MEMORY
PRESET TUNING
FM MODE
TUNING
TP100
TP101
1-864-814-
【POWER BOARD】
DISPLAY
SPEAKERS (OFF/A/B/A+B)
DIMMER
CNP102
1-864-815-

• **Semiconductor Location**

Ref. No.	Location
D101	B-4
D102	B-2
D103	B-3
D104	B-3
D105	B-7
IC100	A-7
IC101	B-6
IC102	A-9
Q110	C-7

3-15. SCHEMATIC DIAGRAM – DISPLAY SECTION –

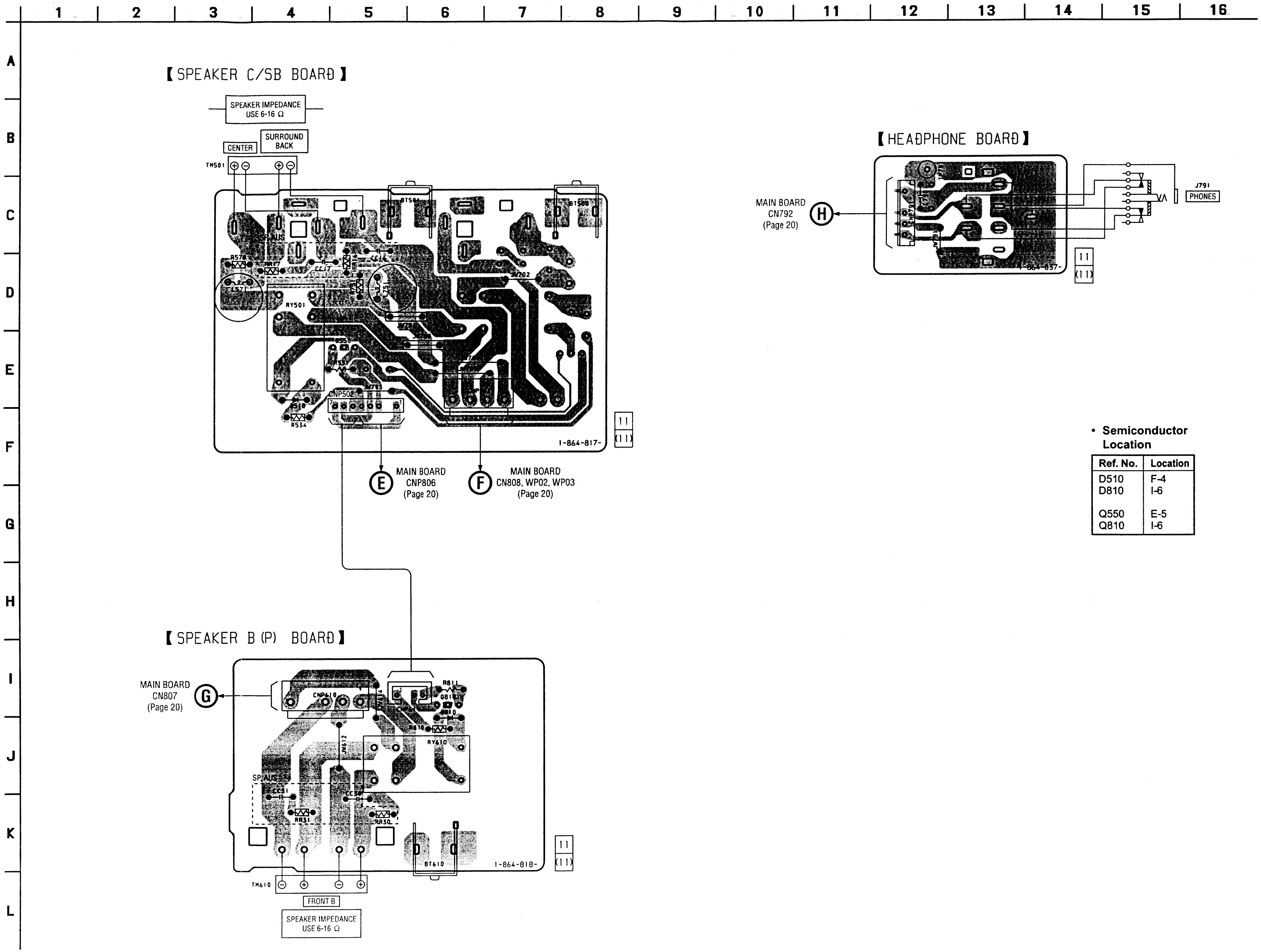
• See page 36 for IC Block Diagrams.


[DISPLAY BOARD]
[POWER BOARD]
[TUNING BOARD]
IC102
REMOTE CONTROL RECEIVER
PL101 VACUUM FLUORESCENT DISPLAYS
IC100
FL DRIVE
IC B/D
IC101
BUFFER
IC B/D
RV102 ENCODER, ROTARY
MASTER VOLUME
CNP102 3P
CNP104 2P
CN101 5P
CNS100 21P
SLEEP
2CH
A.F.D.
MOVIE
MUSIC
SURR BACK DECODING
VIDEO 1
VIDEO 2
VIDEO 3
DIMMER
DISPLAY
SPEAKERS (OFF/A/B/A+B)
+ PRESET TUNING
- PRESET TUNING
MEMORY
FM MODE
+ TUNING
- TUNING
INPUT MODE
DVD
MD/TAPE
SA-CD/CD
FM
MAIN MENU
ENTER
AM
POWER KEY
SIRCS
3.3V
JOG (B)
JOG (A)
BLUE LED
NC
CLK
DIN
STB
A/D (0)
A/D (1)
A/D (2)
SIRCS
POWER 5V
VOL (B)
VOL (A)
+3.3V/+5V
+3.3V (STBY)
GND
GND
-20V
F2
F1
DIGITAL BOARD (2/4) CN5505 (Page 17)

3-16. PRINTED WIRING BOARD – SPEAKER/HEADPHONE SECTION –

• See page 11 for Circuit Boards Location.

:Uses unleaded solder.


1
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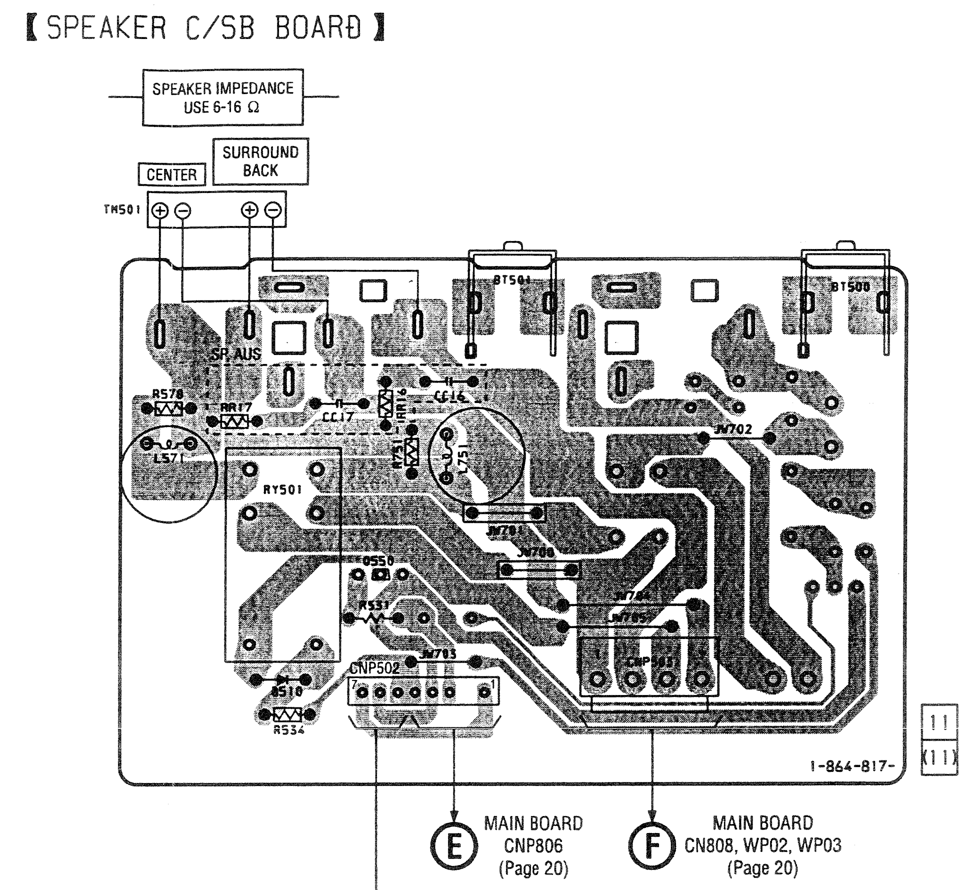
9
10
11
12
13
14
15
16
A
B
C
D
E
F
G
H
I
J
K
L
[SPEAKER C/SB BOARD]
SPEAKER IMPEDANCE USE 6-16 Ω
CENTER
SURROUND BACK
TM501
BT501
BT502
R578
RR17
RR16
CC17
CC16
LS7
RY501
JW702
Q550
R533
CNP502
D510
R534
1-864-817-
11
(11)
E
MAIN BOARD CNP806 (Page 20)
F
MAIN BOARD CN808, WP02, WP03 (Page 20)
[HEADPHONE BOARD]
MAIN BOARD CN792 (Page 20)
H
J791
PHONES
1-864-837-
11
(11)
[SPEAKER B (P) BOARD]
MAIN BOARD CN807 (Page 20)
G
CNP610
R811
Q810
D810
R810
RY610
JW612
SP-AUS
CC51
CC50
RR51
RR50
BT610
1-864-818-
11
(11)
TM610
FRONT B
SPEAKER IMPEDANCE USE 6-16 Ω

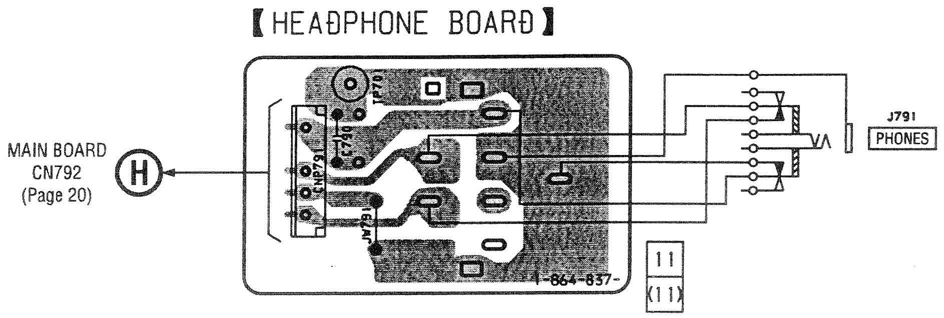
- **Semiconductor Location**

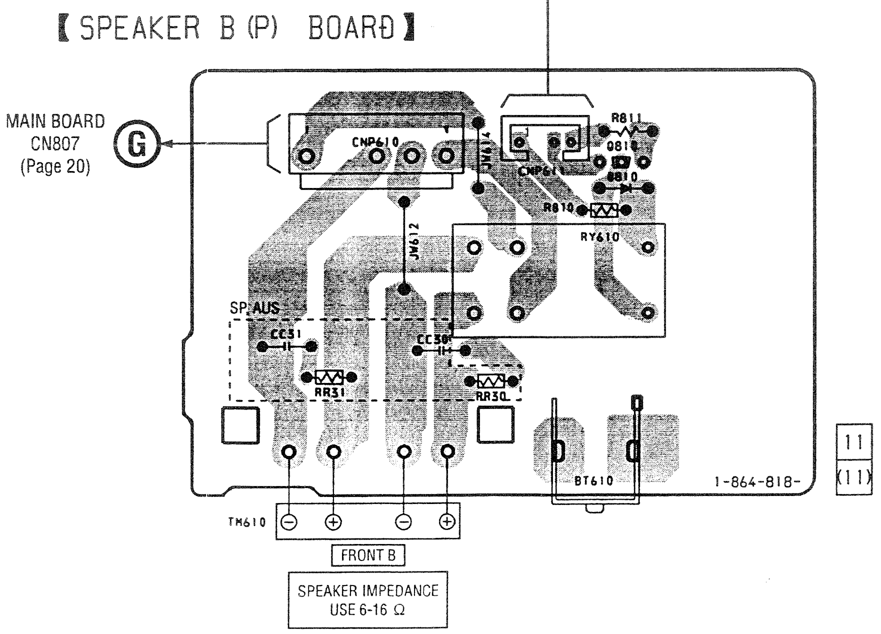
Ref. No.	Location
D510 D810	F-4 I-6
Q550 Q810	E-5 I-6

3-16. PRINTED WIRING BOARD – SPEAKER/HEADPHONE SECTION –

• See page 11 for Circuit Boards Location. LF :Uses unleaded solder.


【SPEAKER C/SB BOARD】
SPEAKER IMPEDANCE USE 6-16 Ω
CENTER
SURROUND BACK
TM501
BT501
BT500
SP.AUS
R578
RR17
CC17
CC16
RR16
L571
RY501
L751
JW702
JW701
JW700
Q550
R531
JW704
JW705
CNP503
JW703
CNP502
D510
R534
1-864-817-
11
(11)
MAIN BOARD CNP806 (Page 20)
E
F
MAIN BOARD CN808, WP02, WP03 (Page 20)

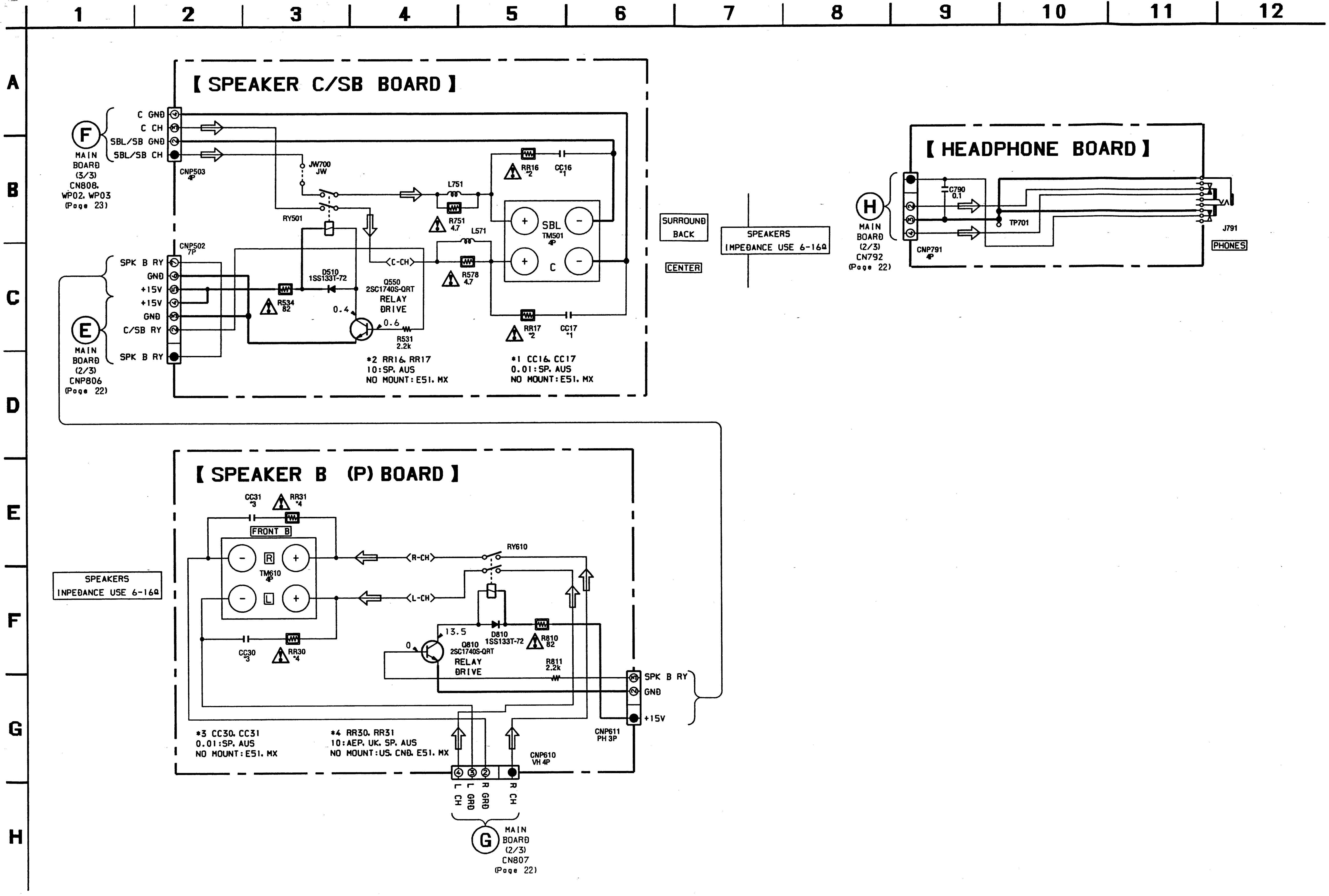

【HEADPHONE BOARD】
MAIN BOARD CN792 (Page 20)
H
CNP791
C710
R710
JW791
J791
PHONES
1-864-837-
11
(11)


【SPEAKER B (P) BOARD】
MAIN BOARD CN807 (Page 20)
G
CNP610
JW614
CNP611
R811
Q810
D810
R810
RY610
JW612
SP.AUS
CC31
CC30
RR31
RR30
BT610
1-864-818-
11
(11)
TM610
FRONT B
SPEAKER IMPEDANCE USE 6-16 Ω

• **Semiconductor Location**

Ref. No.	Location
D510	F-4
D810	I-6
Q550	E-5
Q810	I-6

3-17. SCHEMATIC DIAGRAM – SPEAKER/HEADPHONE SECTION –


1
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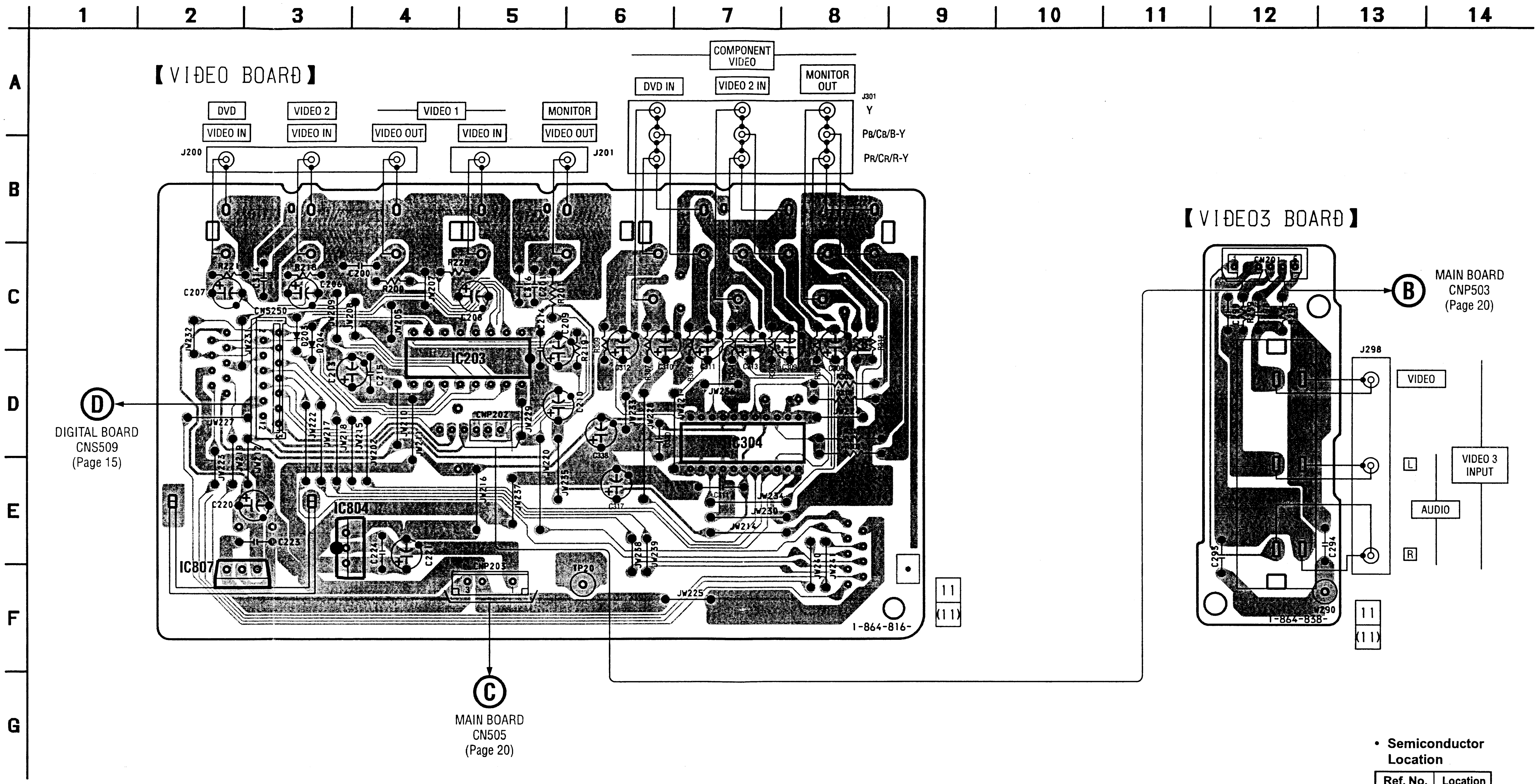
10
11
12
A
B
C
D
E
F
G
H
【 SPEAKER C/SB BOARD 】
C GND
C CH
SBL/SB GND
SBL/SB CH
F
MAIN BOARD (3/3) CN808, WP02, WP03 (Page 23)
CNP503 4P
JW700 JW
RY501
L751
R751 4.7
RR16 *2
CC16 *1
SBL
TM501 4P
C
L571
R578 4.7
C-CH
CNP502 7P
SPK B RY
GND
+15V
+15V
GND
C/SB RY
SPK B RY
E
MAIN BOARD (2/3) CNP806 (Page 22)
D510 1SS133T-72
Q550 2SC1740S-QRT RELAY DRIVE
R534 82
0.4
0.6
R531 2.2k
RR17 *2
CC17 *1
*2 RR16, RR17
10:SP, AUS
NO MOUNT:E51, MX
*1 CC16, CC17
0.01:SP, AUS
NO MOUNT:E51, MX
SURROUND BACK
CENTER
SPEAKERS IMPEDANCE USE 6-16Ω
【 HEADPHONE BOARD 】
H
MAIN BOARD (2/3) CN792 (Page 22)
CNP791 4P
C790 0.1
TP701
J791
PHONES
【 SPEAKER B (P) BOARD 】
CC31 *3
RR31 *4
FRONT B
R
L
TM610 4P
R-CH
L-CH
RY610
CC30 *3
RR30 *4
SPEAKERS INPEDANCE USE 6-16Ω
13.5
0
Q810 2SC1740S-QRT RELAY DRIVE
D810 1SS133T-72
R810 82
R811 2.2k
SPK B RY
GND
+15V
CNP611 PH 3P
*3 CC30, CC31
0.01:SP, AUS
NO MOUNT:E51, MX
*4 RR30, RR31
10:AEP, UK, SP, AUS
NO MOUNT:US, CND, E51, MX
CNP610 VH 4P
L CH
L GRD
R GRD
R CH
G
MAIN BOARD (2/3) CN807 (Page 22)

3-18. PRINTED WIRING BOARD –VIDEO IN/OUT SECTION–

• See page 11 for Circuit Boards Location. LF :Uses unleaded solder.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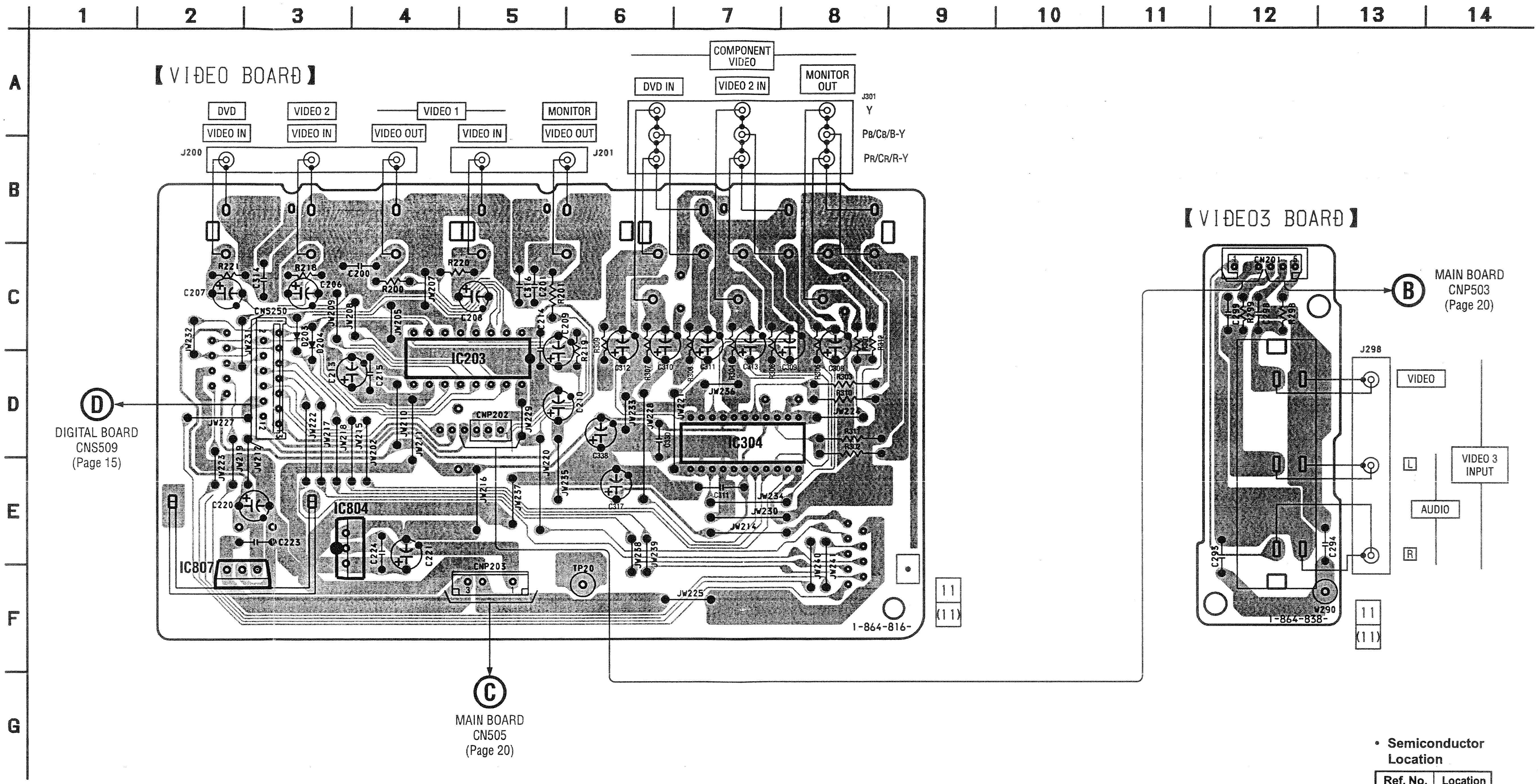
A
B
C
D
E
F
G
【VIDEO BOARD】
DVD
VIDEO IN
VIDEO 2
VIDEO IN
VIDEO 1
VIDEO OUT
VIDEO IN
MONITOR
VIDEO OUT
J200
J201
COMPONENT VIDEO
DVD IN
VIDEO 2 IN
MONITOR OUT
J301
Y
PB/CB/B-Y
PR/CR/R-Y
IC203
IC304
IC804
IC807
CNS250
CNP202
CNP203
TP20
C207
C220
C223
D203
D204
1-864-816-
11
(11)
D
DIGITAL BOARD
CNS509
(Page 15)
C
MAIN BOARD
CN505
(Page 20)
【VIDEO3 BOARD】
CN201
J298
C295
C294
JW290
1-864-838-
B
MAIN BOARD
CNP503
(Page 20)
VIDEO
L
AUDIO
R
VIDEO 3
INPUT

• **Semiconductor Location**

Ref. No.	Location
D203	D-3
D204	D-3
IC203	D-4
IC304	E-7
IC804	E-3
IC807	F-2

3-18. PRINTED WIRING BOARD –VIDEO IN/OUT SECTION – • See page 11 for Circuit Boards Location. LF :Uses unleaded solder.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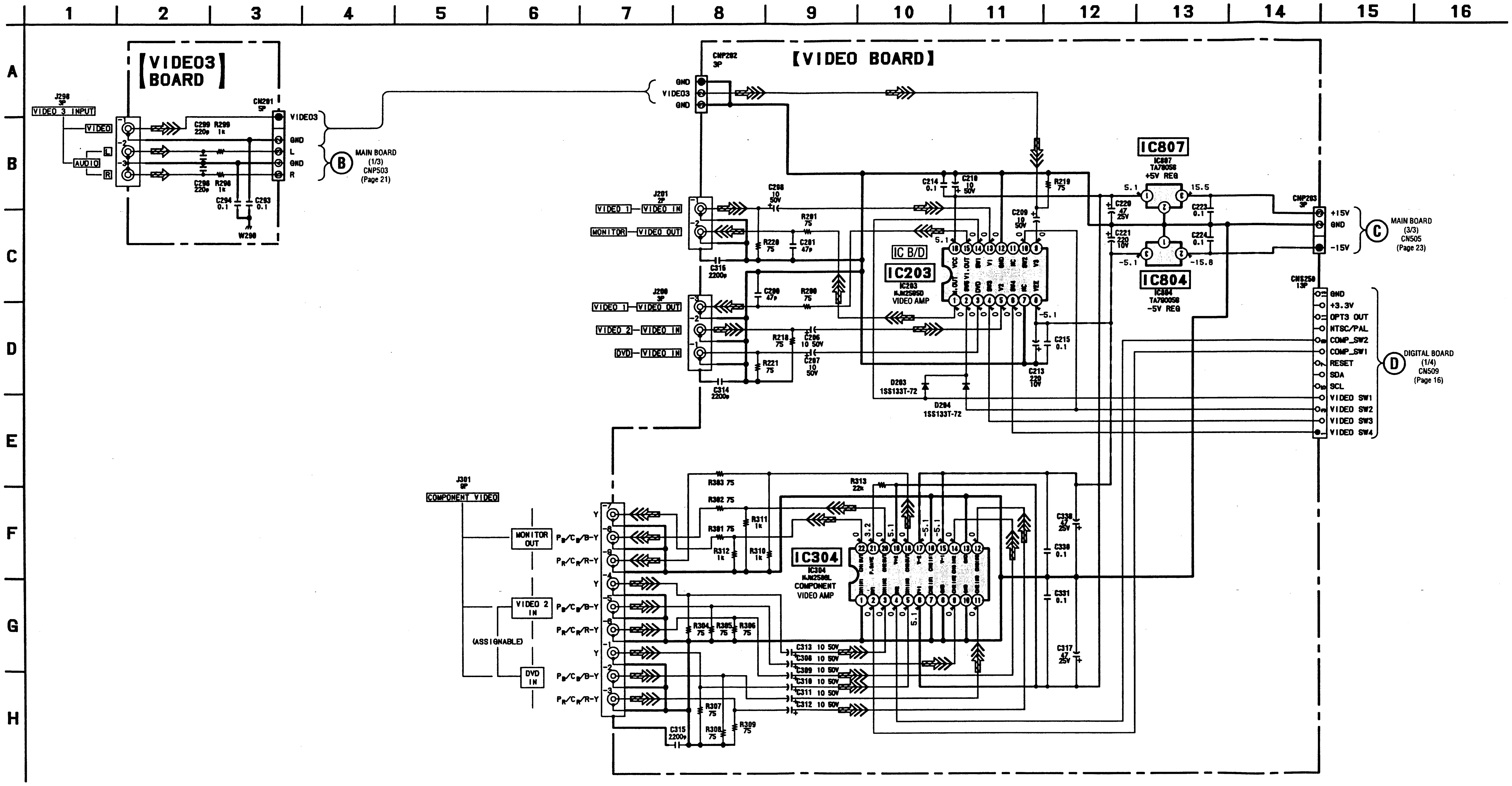
11
12
13
14
A
B
C
D
E
F
G
[VIDEO BOARD]
DVD
VIDEO IN
VIDEO 2
VIDEO IN
VIDEO 1
VIDEO OUT
VIDEO IN
MONITOR
VIDEO OUT
J200
J201
COMPONENT VIDEO
DVD IN
VIDEO 2 IN
MONITOR OUT
J301
Y
PB/CB/B-Y
PR/CR/R-Y
IC203
IC304
IC804
IC807
CNS250
CNP202
CNP203
TP20
D
DIGITAL BOARD
CNS509
(Page 15)
C
MAIN BOARD
CN505
(Page 20)
1-864-816-
11
(11)
[VIDEO3 BOARD]
CN201
B
MAIN BOARD
CNP503
(Page 20)
J298
VIDEO
L
AUDIO
R
VIDEO 3
INPUT
1-864-838-
11
(11)

• **Semiconductor Location**

Ref. No.	Location
D203	D-3
D204	D-3
IC203	D-4
IC304	E-7
IC804	E-3
IC807	F-2

3-19. SCHEMATIC DIAGRAM – VIDEO IN/OUT SECTION –

• See page 35 for IC Block Diagram.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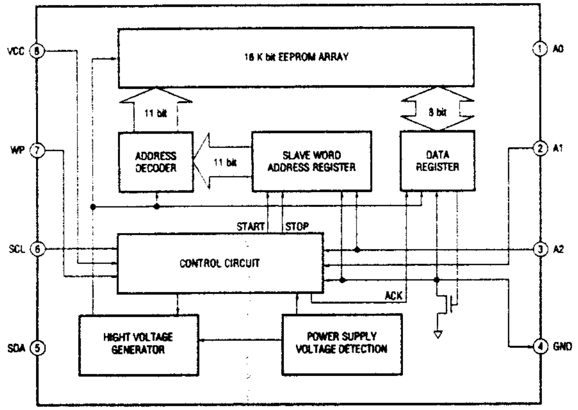
12
13
14
15
16
A
B
C
D
E
F
G
H
【VIDEO3 BOARD】
J298 3P VIDEO 3 INPUT
VIDEO
L
AUDIO
R
C299 220p
R299 1k
C298 220p
R298 1k
C294 0.1
C293 0.1
W298
CN291 5P
VIDEO3
GND
L
GND
R
B
MAIN BOARD (1/3) CNP503 (Page 21)
CNP202 3P
GND
VIDEO3
GND
【VIDEO BOARD】
J201 2P
VIDEO 1 – VIDEO IN
MONITOR – VIDEO OUT
J200 3P
VIDEO 1 – VIDEO OUT
VIDEO 2 – VIDEO IN
DVD – VIDEO IN
C208 10 50V
R201 75
R220 75
C201 47p
C316 2200p
C200 47p
R200 75
R218 75
C206 10 50V
R221 75
C207 10 50V
C314 2200p
C214 0.1
C210 10 50V
R219 75
C209 10 50V
IC B/D
IC203
IC203 NJM2505D VIDEO AMP
5.1
-5.1
C215 0.1
C213 220 10V
D203 1SS133T-72
D204 1SS133T-72
IC807
IC807 TA7805S +5V REG
5.1
15.5
C220 47 25V
C223 0.1
C221 220 10V
C224 0.1
-5.1
-15.8
IC804
IC804 TA79005S -5V REG
CNP203 3P
+15V
GND
-15V
C
MAIN BOARD (3/3) CN505 (Page 23)
CNS250 13P
GND
+3.3V
OPT3 OUT
NTSC/PAL
COMP_SW2
COMP_SW1
RESET
SDA
SCL
VIDEO SW1
VIDEO SW2
VIDEO SW3
VIDEO SW4
D
DIGITAL BOARD (1/4) CN509 (Page 16)
J301 9P
COMPONENT VIDEO
MONITOR OUT
VIDEO 2 IN
(ASSIGNABLE)
DVD IN
Y
P_B/C_B/B-Y
P_R/C_R/R-Y
R303 75
R302 75
R301 75
R311 1k
R312 1k
R310 1k
R313 22k
IC304
IC304 NJM2580L COMPONENT VIDEO AMP
R304 75
R305 75
R306 75
C313 10 50V
C308 10 50V
C309 10 50V
C310 10 50V
C311 10 50V
C312 10 50V
R307 75
R308 75
R309 75
C315 2200p
C329 47 25V
C330 0.1
C331 0.1
C317 47 25V

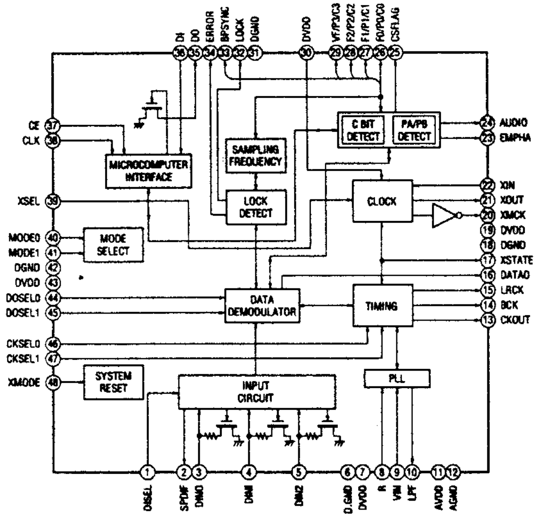
- IC Block Diagrams

– DIGITAL Board –

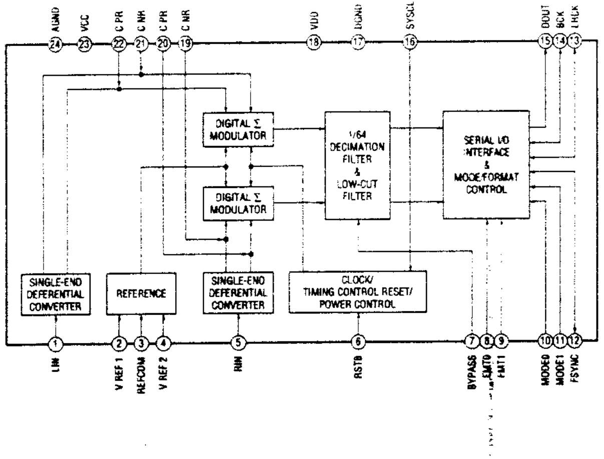
IC1131 BR24L16F-WE2


VCC 8
WP 7
SCL 6
SDA 5
1 A0
2 A1
3 A2
4 GND
16 K bit EEPROM ARRAY
11 bit
8 bit
ADDRESS DECODER
11 bit
SLAVE WORD ADDRESS REGISTER
DATA REGISTER
START
STOP
CONTROL CIRCUIT
ACK
HIGHT VOLTAGE GENERATOR
POWER SUPPLY VOLTAGE DETECTION

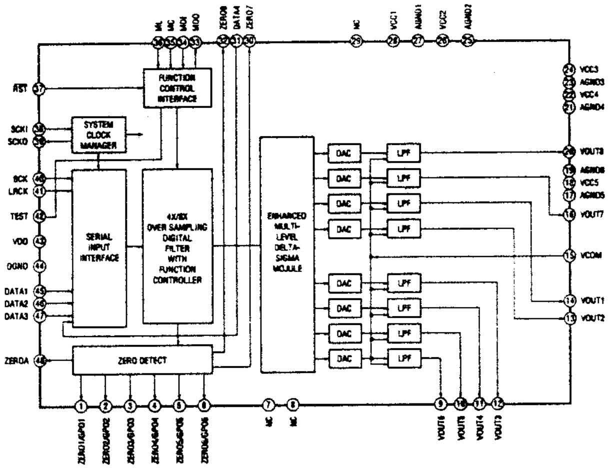
IC1301 LC89056W-E


DI 36
DO 35
ERROR 34
BPSYNC 33
LOCK 32
DGND 31
DVDD 30
VF/P3/C3 29
F2/P2/C2 28
F1/P1/C1 27
F0/P0/C0 26
CSFLAG 25
CE 37
CLK 38
XSEL 39
MODE0 40
MODE1 41
DGND 42
DVDD 43
DOSEL0 44
DOSEL1 45
CKSEL0 46
CKSEL1 47
XMODE 48
24 AUDIO
23 EMPHA
22 XIN
21 XOUT
20 XMCK
19 DVDD
18 DGND
17 XSTATE
16 DATAO
15 LRCK
14 BCK
13 CKOUT
MICROCOMPUTER INTERFACE
SAMPLING FREQUENCY
LOCK DETECT
C BIT DETECT
PA/PB DETECT
CLOCK
MODE SELECT
DATA DEMODULATOR
TIMING
SYSTEM RESET
INPUT CIRCUIT
PLL
1 DISEL
2 SPDIF
3 DIN0
4 DIN1
5 DIN2
6 D.GND
7 DVDD
8 R
9 VIN
10 LPF
11 AVDD
12 AGND

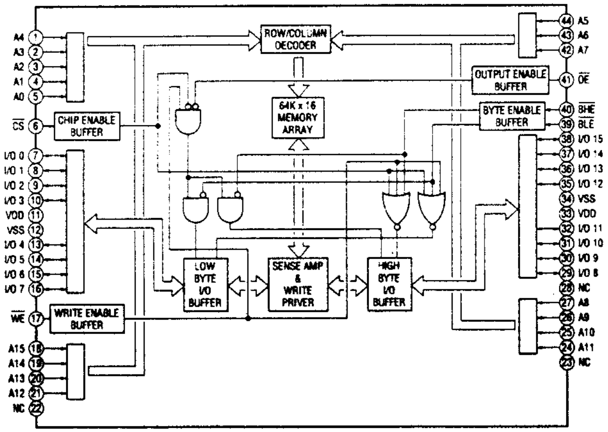
IC1401 PCM1800E/2K


AGND 24
VCC 23
C PR 22
C NR 21
C PR 20
C NR 19
VDD 18
DGND 17
SYSCLK 16
DOUT 15
BCK 14
LRCK 13
DIGITAL Σ MODULATOR
DIGITAL Σ MODULATOR
1/64 DECIMATION FILTER & LOW-CUT FILTER
SERIAL I/O INTERFACE & MODE/FORMAT CONTROL
SINGLE-END DEFERENTIAL CONVERTER
REFERENCE
SINGLE-END DEFERENTIAL CONVERTER
CLOCK/ TIMING CONTROL RESET/ POWER CONTROL
1 LIN
2 V REF 1
3 REFCOM
4 V REF 2
5 RIN
6 RSTB
7 BYPASS
8 FMT0
9 FMT1
10 MODE0
11 MODE1
12 FSYNC

IC1452 PCM1609KPTR

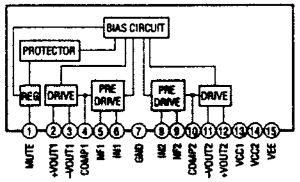

ML 36
MC 35
MDI 34
MDO 33
ZERO8 32
DATA4 31
ZERO7 30
NC 29
VCC1 28
AGND1 27
VCC2 26
AGND2 25
RST 37
SCKI 38
SCKO 39
BCK 40
LRCK 41
TEST 42
VDD 43
DGND 44
DATA1 45
DATA2 46
DATA3 47
ZEROA 48
24 VCC3
23 AGND3
22 VCC4
21 AGND4
20 VOUT8
19 AGND6
18 VCC5
17 AGND5
16 VOUT7
15 VCOM
14 VOUT1
13 VOUT2
FUNCTION CONTROL INTERFACE
SYSTEM CLOCK MANAGER
SERIAL INPUT INTERFACE
4X/8X OVER SAMPLING DIGITAL FILTER WITH FUNCTION CONTROLLER
ENHANCED MULTI-LEVEL DELTA-SIGMA MODULE
DAC
LPF
ZERO DETECT
1 ZERO1/GPO1
2 ZERO2/GPO2
3 ZERO3/GPO3
4 ZERO4/GPO4
5 ZERO5/GPO5
6 ZERO6/GPO6
7 NC
8 NC
9 VOUT6
10 VOUT5
11 VOUT4
12 VOUT3

IC1502 IS61LV6416-10TLT


A4 ①
A3 ②
A2 ③
A1 ④
A0 ⑤
$\overline{CS}$ ⑥
CHIP ENABLE BUFFER
I/O 0 ⑦
I/O 1 ⑧
I/O 2 ⑨
I/O 3 ⑩
VDD ⑪
VSS ⑫
I/O 4 ⑬
I/O 5 ⑭
I/O 6 ⑮
I/O 7 ⑯
$\overline{WE}$ ⑰
WRITE ENABLE BUFFER
A15 ⑱
A14 ⑲
A13 ⑳
A12 ㉑
NC ㉒
ROW/COLUMN DECODER
64K x 16 MEMORY ARRAY
LOW BYTE I/O BUFFER
SENSE AMP & WRITE PRIVER
HIGH BYTE I/O BUFFER
OUTPUT ENABLE BUFFER
BYTE ENABLE BUFFER
㊹ A5
㊸ A6
㊷ A7
㊶ $\overline{OE}$
㊵ $\overline{BHE}$
㊴ $\overline{BLE}$
㊳ I/O 15
㊲ I/O 14
㊱ I/O 13
㉟ I/O 12
㉞ VSS
㉝ VDD
㉜ I/O 11
㉛ I/O 10
㉚ I/O 9
㉙ I/O 8
㉘ NC
㉗ A8
㉖ A9
㉕ A10
㉔ A11
㉓ NC

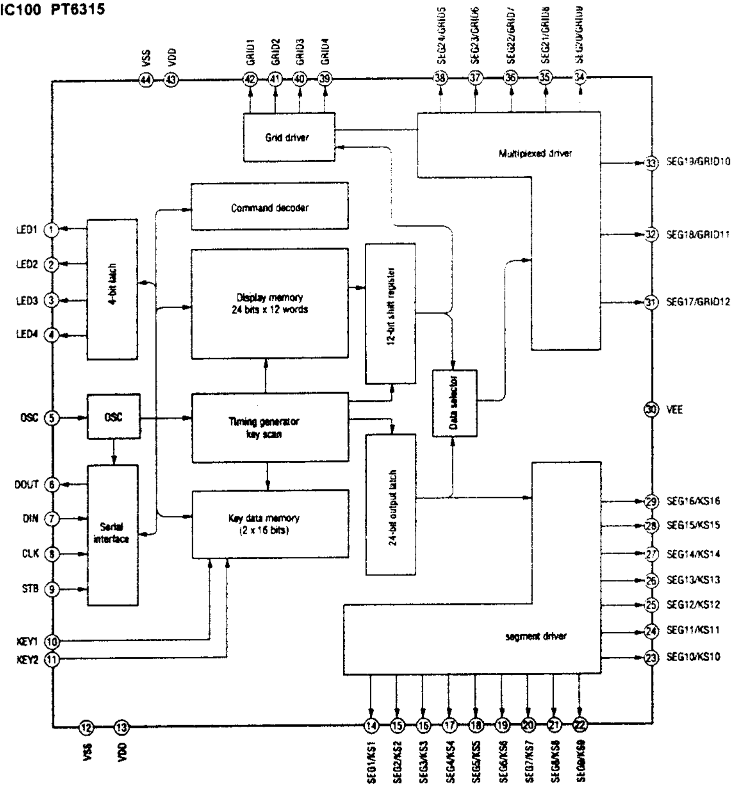
– MAIN Board –

IC501, IC601, IC701 uPC2581V-S

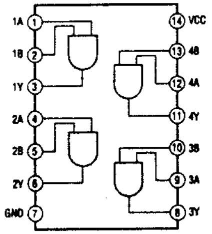

BIAS CIRCUIT
PROTECTOR
REG
DRIVE
PRE DRIVE
PRE DRIVE
DRIVE
① MUTE
② +VOUT1
③ –VOUT1
④ COMP1
⑤ NF1
⑥ IN1
⑦ GND
⑧ IN2
⑨ NF2
⑩ COMP2
⑪ –VOUT2
⑫ +VOUT2
⑬ VCC1
⑭ VCC2
⑮ VEE

– DISPLAY Board –

IC100 PT6315

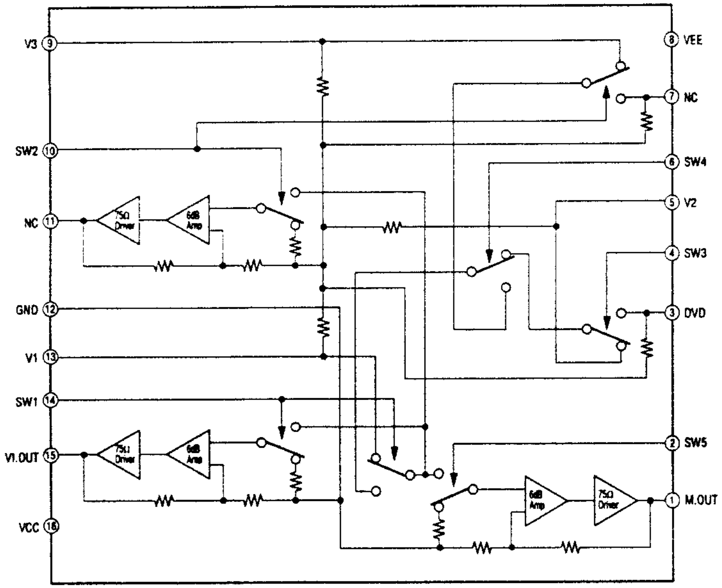

VSS ㊹
VDD ㊸
GRID1 ㊷
GRID2 ㊶
GRID3 ㊵
GRID4 ㊴
SEG24/GRID5 ㊳
SEG23/GRID6 ㊲
SEG22/GRID7 ㊱
SEG21/GRID8 ㉟
SEG20/GRID9 ㉞
Grid driver
Multiplexed driver
Command decoder
4-bit latch
Display memory 24 bits x 12 words
12-bit shift register
Data selector
OSC
Timing generator key scan
24-bit output latch
Serial interface
Key data memory (2 x 16 bits)
segment driver
LED1 ①
LED2 ②
LED3 ③
LED4 ④
OSC ⑤
DOUT ⑥
DIN ⑦
CLK ⑧
STB ⑨
KEY1 ⑩
KEY2 ⑪
⑫ VSS
⑬ VDD
⑭ SEG1/KS1
⑮ SEG2/KS2
⑯ SEG3/KS3
⑰ SEG4/KS4
⑱ SEG5/KS5
⑲ SEG6/KS6
⑳ SEG7/KS7
㉑ SEG8/KS8
㉒ SEG9/KS9
㉝ SEG19/GRID10
㉜ SEG18/GRID11
㉛ SEG17/GRID12
㉚ VEE
㉙ SEG16/KS16
㉘ SEG15/KS15
㉗ SEG14/KS14
㉖ SEG13/KS13
㉕ SEG12/KS12
㉔ SEG11/KS11
㉓ SEG10/KS10

IC101 MC74ACT08N


1A ①
1B ②
1Y ③
2A ④
2B ⑤
2Y ⑥
GND ⑦
⑭ VCC
⑬ 4B
⑫ 4A
⑪ 4Y
⑩ 3B
⑨ 3A
⑧ 3Y

- VIDEO Board -

IC203 NJM2595D



- **IC Pin Function Description**

DIGITAL BOARD IC1101 MB90488BPF-G-144E1 (SYSTEM CONTROL)

Pin No.	Pin Name	I/O	Description
1	DATAO	I	Audio data signal input from DIR
2	GP9	I	GP9 signal input from DSP
3	BST	O	BST signal output to DSP
4	HCS	O	HCS signal output to DSP
5	HACN	I	HACN signal input from DSP
6	XRST	O	Reset signal output to DSP
7	PM	O	PM signal output to DSP
8	GP12	O	GP12 signal output to DSP
9	PCM1800RST	O	IC reset signal output to ADC
10	PCM1608RST	O	IC reset signal output to DAC
11	VSS	—	Ground terminal
12	PCM1608ML	O	Latch signal output to DAC
13	PCM1608MC	O	Clock signal output to DAC
14	PCM1608MDI	O	IC data output to DAC
15	PCM1608MDO	I	IC data input to DAC
16	T_CLK	O	Tuner clock signal output terminal
17	T_DI	O	Tuner data signal output terminal
18	HDOUT	I	HDOUT signal input from DSP
19	HDIN	O	HDIN signal output to DSP
20	HCLK	O	Clock signal output to DSP
21	DLY_B PASS	—	Connected to ground terminal
22	DIR/AD	—	Connected to ground terminal
23	VCC5	—	Power supply
24	SYS_MUTE	O	Muting and error signal output
25	ANA/DIG	O	Analog signal or digital signal output terminal
26	UPCON_RST	—	Not used
27	FLASH2/VOL_CL	O	Volume IC clock signal output terminal
28	FLASH1/VOL_DA	O	Volume IC data and latch signal output terminal
29	SDA	I	EEPROM data signal input terminal
30	SCL	O	EEPROM clock signal output terminal
31	ENC_A	—	Short to ground terminal
32	ENC_B	—	Short to ground terminal
33	UPCON	—	Not used
34	UPCON_CLK	—	Not used
35	AVCC	—	Analog power supply
36	AVRH	I	Analog reference voltage input
37	AVSS	—	Analog ground terminal
38	A/D0	I	Function key push signal input
39	A/D1	I	Function key push signal input
40	A/D2	I	Function key push signal input
41	VERSION	I	Version setting input terminal (DESTINATION)
42	VSS	—	Ground terminal
43	RDS SIG	I	RDS signal detect input (connected to ground terminal)
44	MODEL	I	Version setting input (MODEL)
45	VOL ENCODER (A)	I	Volume signal input from rotary encoder
46	VOL ENCODER (B)	I	Volume signal input from rotary encoder
47	BLUE LED	O	Blue LED signal control output

Pin No.	Pin Name	I/O	Description
48	STOP	I	AC off detect signal input
49	MD0	I	Operation mode setting input
50	MD1	I	Operation mode setting input
51	MD2	I	Operation mode setting input
52	RDS CLOCK	I	RDS clock signal input (Short to ground terminal)
53	RDS DATA	I	RDS data signal input (Short to ground terminal)
54	SIRCS	I	Data signal input from the remote control sensor
55	HP DETECT	I	Headphone signal input
56	POWER KEY	I	Power switch key detect signal input
57	FL_LAT	O	FL driver latch signal output terminal
58	POWER RY	O	Power relay control signal output
59	FL_DATA	O	FL driver signal output terminal
60	FL_CLK	O	FL driver clock signal output terminal
61	PROTECTOR	I	Protector status detect signal input
62	HP_RY	O	Headphone relay control signal output
63	FUSE DETECT	I	Fuse detect signal input
64	NTSC_PAL_SW	—	Short to ground terminal
65	COMPO_SW2	O	Component video switch 2 signal output
66	FRONT_RY	O	Front speaker relay control signal output
67	SP_B RY	O	Front speaker B relay control signal output
68	C/SW RY	O	Center speaker or Subwoofer control signal output
69	REAR RY	O	Rear speaker relay control signal output
70	SW_RY	—	Short to ground terminal
71	COMPO_SW1	O	Component video switch 1 signal output
72	BRIGEABLE_RY	O	Bridgeable relay control
73	DO	I	Frequency data signal input from the tuner
74	SLATCH	O	Latch signal output to the tuner
75	TUNED	I	Tuning a frequency signal input from the tuner
76	STEREO	I	Stereo tuning signal input from the tuner
77	RSTX	I	System reset
78	MUTE	O	Muting signal output to the tuner
79	X1A	—	Not used
80	X0A	—	Ground terminal
81	VSS	—	Ground terminal
82	X0	—	Connection for a crystal resonator
83	X1	—	Connection for a crystal resonator
84	VCC3	—	Power supply
85	GROUPING_SW	—	Not used
86	SW1	O	Video select control signal output
87	SW2	O	Video select control signal output
88	SW3	O	Video select control signal output
89	SW4	O	Video select control signal output
90	SELECT2	—	Not used
91	SELECT1	—	Not used
92	BST_SEL	O	BST signal output terminal
93	XMODE	O	Reset signal output to DIR
94	CKSEL 1	O	CKSEL control signal to DIR
95	CLK	O	Clock signal output to DIR
96	CE	O	Chip enable signal output to DIR

Pin No.	Pin Name	I/O	Description
97	DI	O	Data signal output to DIR
98	DO	I	Data signal input from DIR
99	ERROR	I	PLL error muting signal input from DIR
100	XSTATE	I	XSTATE data signal input from DIR

SECTION 4
EXPLODED VIEWS

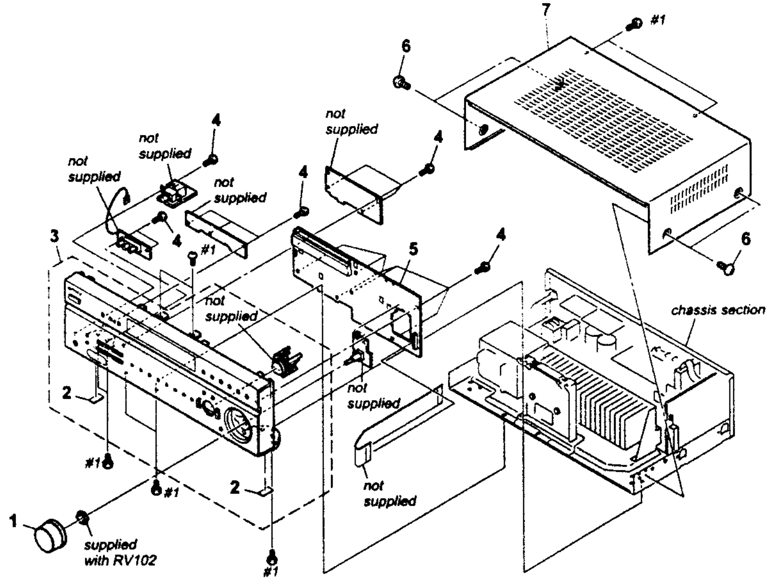
NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.

- Abbreviation
  AUS : Australian model
  E51 : Chilean and Peruvian models
  MX : Mexican model
  SP : Singapore model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

4-1. FRONT CABINET SECTION

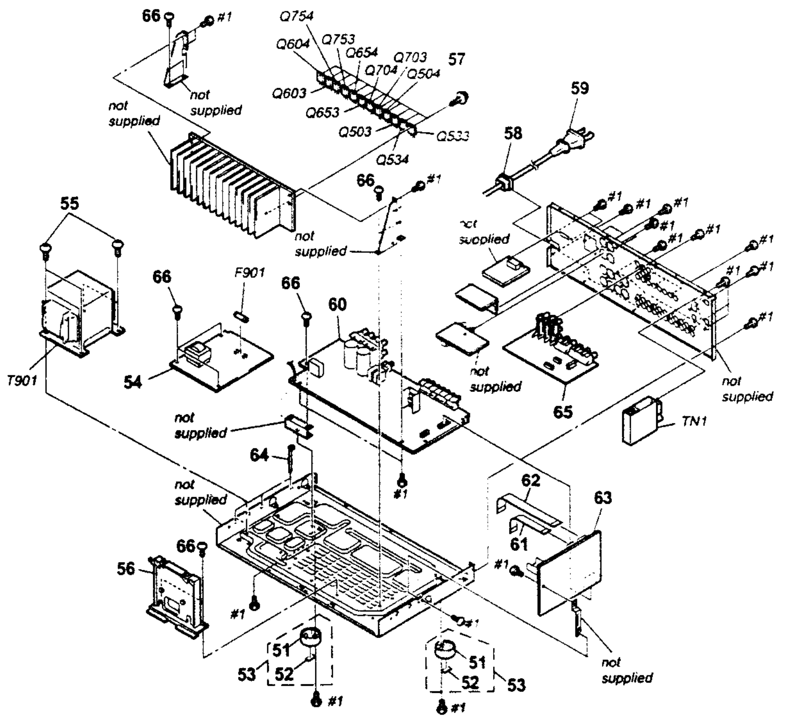


7
#1
6
not supplied
4
not supplied
not supplied
not supplied
4
3
4
#1
5
4
6
not supplied
chassis section
2
#1
not supplied
#1
2
not supplied
1
supplied with RV102
#1

Ref. No.	Part No.	Description	Remark
1	4-232-113-31	KNOB (VOL)	
2	4-977-358-11	CUSHION	
3	X-2025-220-2	FRONT PANEL ASSY	
4	3-087-053-01	+BVTP2.6 (3CR)	
5	A-1084-338-A	DISPLAY BOARD, COMPLETE	

Ref. No.	Part No.	Description	Remark
6	3-363-099-11	SCREW (CASE 3 TP2)	
7	4-232-418-61	CASE	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

4-2. CHASSIS SECTION



66
#1
Q754
Q604
Q753
Q654
Q703
57
Q704
Q504
Q603
not supplied
not supplied
Q653
59
Q503
Q533
58
Q534
66
#1
55
not supplied
not supplied
#1
66
F901
66
60
T901
54
not supplied
not supplied
65
not supplied
TN1
not supplied
64
#1
not supplied
62
63
61
66
56
#1
#1
51
53
52
#1
51
52
53
#1
not supplied

Ref. No.	Part No.	Description	Remark
51	4-232-237-01	FOOT (DIA. 30)	
52	4-977-358-01	CUSHION	
53	X-4953-448-1	FOOT ASSY	
54	A-1084-405-A	STANDBY BOARD, COMPLETE (SP, AUS)	
54	A-1084-975-A	STANDY PC BOARD BOARD, COMPLETE (E51)	
54	A-1084-987-A	STANDBY BOARD, COMPLETE (MX)	
55	4-249-675-01	+BV SUMITITE S 4X6 ROUND	
56	4-233-263-01	SUB MOLD (DE9)	
57	3-905-609-01	SCREW (TRANSISTOR)	
• 58	3-703-244-00	BUSHING (2104), CORD	
⚠59	1-777-071-23	CORD, POWER (E51, SP)	
⚠59	1-827-295-22	CORD, POWER (AUS)	
⚠59	1-829-627-11	POWER-SUPPLY CORD (MX)	
60	A-1088-011-A	MAIN BOARD, COMPLETE (E51, MX)	
60	A-1088-139-A	MAIN BOARD, COMPLETE (SP, AUS)	
61	1-828-963-11	WIRE (FLAT TYPE) (11 CORE)	
62	1-828-972-11	WIRE (FLAT TYPE) (13 CORE)	
63	A-1087-780-A	DIGITAL BOARD, COMPLETE (E51)	
63	A-1088-140-A	DIGITAL BOARD, COMPLETE (SP)	
63	A-1088-145-A	DIGITAL BOARD, COMPLETE (AUS)	
63	A-1088-151-A	DIGITAL BOARD, COMPLETE (MX)	
64	3-701-748-00	CLAMP	
65	A-1084-344-A	VIDEO BOARD, COMPLETE	

Ref. No.	Part No.	Description	Remark
66	3-077-331-21	+BV3 (3-CR)	
⚠F901	1-532-388-33	FUSE T2AL/250V (SP, AUS)	
⚠F901	1-532-464-33	FUSE 2.5A/250V (E51)	
⚠F901	1-532-504-33	FUSE T4AL/250V (MX)	
Q503	6-702-390-01	IC MN2488-OPY-MK	
Q504	6-702-390-01	IC MN2488-OPY-MK	
Q533	6-702-391-01	IC MP1620-OPY-MK	
Q534	6-702-391-01	IC MP1620-OPY-MK	
Q603	6-702-390-01	IC MN2488-OPY-MK	
Q604	6-702-390-01	IC MN2488-OPY-MK	
Q653	6-702-391-01	IC MP1620-OPY-MK	
Q654	6-702-391-01	IC MP1620-OPY-MK	
Q703	6-702-390-01	IC MN2488-OPY-MK	
Q704	6-702-390-01	IC MN2488-OPY-MK	
Q753	6-702-391-01	IC MP1620-OPY-MK	
Q754	6-702-391-01	IC MP1620-OPY-MK	
⚠T901	1-443-523-11	POWER TRANSFORMER (MX)	
⚠T901	1-443-525-11	POWER TRANSFORMER (SP, AUS)	
⚠T901	1-443-526-11	POWER TRANSFORMER (E51)	
TN1	1-693-675-11	TUNER (E51, MX)	
TN1	1-693-678-11	TUNER (SP, AUS)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

SECTION 5
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- COILS
  uH: μH
- CAPACITORS
  uF: μF
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: μ, for example:
  uA. . : μA. .　　uPA. . : μPA. .
  uPB. . : μPB. .　　uPC. . : μPC. .
  uPD. . : μPD. .
- Abbreviation
  AUS : Australian model
  E51 : Chilean and Peruvian models
  MX : Mexican model
  SP : Singapore model

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Ref. No.	Part No.	Description			Remark
		AC SELECT BOARD (E51)			
		********************			
		< CONNECTOR >			
• CNP910	1-564-687-11	PIN, CONNECTOR (3.96mm PITCH) 3P (E51)			
		< SWITCH >			
⚠S901	1-571-437-21	SWITCH, POWER VOLTAGE CHANGE (VOLTAGE SELECTOR) (E51)			
************************					
	A-1087-780-A	DIGITAL BOARD, COMPLETE (E51)			
	A-1088-140-A	DIGITAL BOARD, COMPLETE (SP)			
	A-1088-145-A	DIGITAL BOARD, COMPLETE (AUS)			
	A-1088-151-A	DIGITAL BOARD, COMPLETE (MX)			
		**********************			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C1001	1-126-925-91	ELECT	470uF	20%	10V
C1002	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1004	1-164-227-11	CERAMIC CHIP	0.022uF	10%	16V
C1021	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1022	1-126-925-91	ELECT	470uF	20%	10V
C1031	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1032	1-126-925-91	ELECT	470uF	20%	10V
C1100	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1102	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1103	1-126-947-11	ELECT	47uF	20%	16V
C1107	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1108	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1118	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1119	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1120	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1121	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1122	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1123	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1124	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1126	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1129	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1130	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1137	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1138	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1139	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1140	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1142	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1149	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1251	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1252	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1253	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1254	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1255	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1299	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1301	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1302	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1303	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1304	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1305	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1306	1-126-947-11	ELECT	47uF	20%	16V
C1308	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1309	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C1310	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C1312	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1313	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1314	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1315	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1351	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1354	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1355	1-104-662-91	ELECT	22uF	20%	25V
C1356	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1357	1-162-905-11	CERAMIC CHIP	1PF	0.25PF	50V
C1358	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1359	1-126-916-11	ELECT	1000uF	20%	6.3V
C1360	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1361	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1362	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1401	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1402	1-126-947-11	ELECT	47uF	20%	16V
C1403	1-126-964-11	ELECT	10uF	20%	50V
C1404	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1405	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C1406	1-126-963-11	ELECT	4.7uF	20%	50V
C1407	1-126-963-11	ELECT	4.7uF	20%	50V
C1408	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C1409	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1411	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1413	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1418	1-126-964-11	ELECT	10uF	20%	50V
C1422	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1423	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1428	1-126-964-11	ELECT	10uF	20%	50V
C1432	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1433	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1438	1-126-964-11	ELECT	10uF	20%	50V
C1441	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1442	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1448	1-126-964-11	ELECT	10uF	20%	50V
C1450	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1451	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1453	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1454	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1457	1-126-964-11	ELECT	10uF	20%	50V
C1458	1-126-964-11	ELECT	10uF	20%	50V
C1460	1-126-964-11	ELECT	10uF	20%	50V
C1462	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1463	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1468	1-126-964-11	ELECT	10uF	20%	50V
C1472	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1473	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1478	1-126-964-11	ELECT	10uF	20%	50V
C1488	1-126-964-11	ELECT	10uF	20%	50V
C1481	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1483	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1487	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1491	1-126-964-11	ELECT	10uF	20%	50V
C1494	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1495	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1501	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1502	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1503	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1504	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1505	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1506	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1507	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1508	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1509	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1510	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1511	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1513	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1514	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1515	1-126-925-91	ELECT	470uF	20%	10V
C1516	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1517	1-126-925-91	ELECT	470uF	20%	10V
C1518	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1519	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1520	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1521	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1522	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1525	1-126-925-91	ELECT	470uF	20%	10V
C1540	1-216-833-11	METAL CHIP	10K	5%	1/10W
C1543	1-216-833-11	METAL CHIP	10K	5%	1/10W
C1544	1-216-833-11	METAL CHIP	10K	5%	1/10W
C1545	1-216-833-11	METAL CHIP	10K	5%	1/10W
C1547	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1557	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1566	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1567	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1568	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1569	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1604	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1605	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1620	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1905	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1906	1-126-925-91	ELECT	470uF	20%	10V
C1908	1-126-925-91	ELECT	470uF	20%	10V
C1913	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C1914	1-126-947-11	ELECT	47uF	20%	16V
		< CONNECTOR >			
CNP503	1-779-977-11	PIN, CONNECTOR 6P			
CNP504	1-784-922-11	PIN, CONNECTOR 5P			
CNP505	1-779-799-11	PIN, CONNECTOR 9P			
		< CONNECTOR >			
CNS501	1-573-829-11	CONNECTOR, BOARD TO BOARD 15P			
CNS502	1-766-719-41	CONNECTOR, BOARD TO BOARD 10P			
CNS505	1-568-838-11	CONNECTOR, FFC 21P			
CNS508	1-568-830-11	CONNECTOR, FFC 11P			
		< CONNECTOR >			
CN509	1-784-774-11	CONNECTOR, FFC 13P			
		< DIODE >			
D1001	8-719-053-18	DIODE 1SR154-400TE-25			
D1003	8-719-049-09	DIODE 1SS367-T3SONY			
D1004	8-719-049-09	DIODE 1SS367-T3SONY			
D1103	8-719-988-61	DIODE 1SS355TE-17			
D1105	8-719-988-61	DIODE 1SS355TE-17			
D1106	8-719-988-61	DIODE 1SS355TE-17			
D1107	8-719-988-61	DIODE 1SS355TE-17			
D1108	8-719-988-61	DIODE 1SS355TE-17			
D1110	8-719-988-61	DIODE 1SS355TE-17			
D1111	8-719-988-61	DIODE 1SS355TE-17			
D1301	8-719-988-61	DIODE 1SS355TE-17			
D1302	8-719-988-61	DIODE 1SS355TE-17			
		< FERRITE BEAD >			
FB1101	1-400-862-11	BEAD, FERRITE			
FB1302	1-400-862-11	BEAD, FERRITE			
FB1305	1-400-862-11	BEAD, FERRITE			
FB1306	1-400-862-11	BEAD, FERRITE			
FB1308	1-400-862-11	BEAD, FERRITE			
FB1405	1-400-862-11	BEAD, FERRITE			
FB1452	1-400-862-11	BEAD, FERRITE			
FB1453	1-400-862-11	BEAD, FERRITE			
FB1501	1-400-862-11	BEAD, FERRITE			
FB1502	1-400-862-11	BEAD, FERRITE			
FB1503	1-400-862-11	BEAD, FERRITE			
		< IC >			
IC1001	8-759-231-53	IC TA7805S			
IC1031	6-705-464-01	IC BA50BC0T			

Ref. No.	Part No.	Description			Remark
IC1101	6-805-439-01	IC MB90488BPF-G-144E1			
IC1111	6-702-913-01	IC S-80929CNMC-G8ZT2G			
IC1131	6-704-004-01	IC BR24L16F-WE2			
IC1301	8-759-825-15	IC LC89056W-E			
IC1303	8-759-242-70	IC TC7WU04F (TE12R)			
IC1351	6-600-014-01	IC TORX141L (VIDEO 2 IN)			
IC1354	6-600-014-01	IC TORX141L (SA-CD/CD IN)			
IC1401	8-759-560-56	IC PCM1800E/2K			
IC1403	8-759-710-97	IC NJM4565M (TE2)			
IC1404	8-759-710-97	IC NJM4565M (TE2)			
IC1405	8-759-710-97	IC NJM4565M (TE2)			
IC1406	8-759-710-97	IC NJM4565M (TE2)			
IC1452	6-703-787-01	IC PCM1609KPTR			
IC1501	6-705-900-01	IC CXD9718BQ			
IC1502	6-704-037-01	IC IS61LV6416-10TLT			
IC1503	8-759-546-74	IC TC7WH157FU (TE12R)			
IC1901	6-701-887-02	IC SI-3004KWF			
IC1902	6-703-550-01	IC TA7809LS			
IC1904	6-705-463-01	IC BA33BC0T			
		< JACK >			
J1301	1-794-972-11	JACK, PIN 1P (DVD IN COAXIAL)			
		< SHORT >			
JR1020	1-216-864-11	SHORT CHIP	0		
JR1201	1-211-950-11	SHORT CHIP	0		
JR1202	1-216-864-11	SHORT CHIP	0		
JR1302	1-216-864-11	SHORT CHIP	0		
JR1303	1-216-864-11	SHORT CHIP	0		
JR1501	1-216-864-11	SHORT CHIP	0		
JR1511	1-400-862-11	BEAD, FERRITE			
		< TRANSISTOR >			
Q1103	8-729-027-43	TRANSISTOR	RT1N141C-TP-1		
Q1104	8-729-230-49	TRANSISTOR	2SC2712-YG-TE85L		
Q1105	8-729-230-49	TRANSISTOR	2SC2712-YG-TE85L		
		< RESISTOR >			
R1018	1-216-864-11	SHORT CHIP	0		
R1019	1-216-864-11	SHORT CHIP	0		
R1035	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1039	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1041	1-216-809-11	METAL CHIP	100	5%	1/10W
R1042	1-216-809-11	METAL CHIP	100	5%	1/10W
R1044	1-216-809-11	METAL CHIP	100	5%	1/10W
R1049	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1052	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1053	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1061	1-216-809-11	METAL CHIP	100	5%	1/10W
R1062	1-216-809-11	METAL CHIP	100	5%	1/10W
R1065	1-216-809-11	METAL CHIP	100	5%	1/10W
R1066	1-216-809-11	METAL CHIP	100	5%	1/10W
R1067	1-216-809-11	METAL CHIP	100	5%	1/10W
R1068	1-216-809-11	METAL CHIP	100	5%	1/10W
R1071	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1072	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1073	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1076	1-216-809-11	METAL CHIP	100	5%	1/10W
R1077	1-216-809-11	METAL CHIP	100	5%	1/10W
R1078	1-216-809-11	METAL CHIP	100	5%	1/10W
R1082	1-216-809-11	METAL CHIP	100	5%	1/10W
R1083	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1088	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1094	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1095	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1096	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1097	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1098	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1099	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1105	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1106	1-216-809-11	METAL CHIP	100	5%	1/10W
R1107	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1108	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1109	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1110	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1111	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1112	1-216-809-11	METAL CHIP	100	5%	1/10W
R1113	1-216-809-11	METAL CHIP	100	5%	1/10W
R1114	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1115	1-216-809-11	METAL CHIP	100	5%	1/10W
R1117	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1118	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1119	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1120	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1121	1-216-809-11	METAL CHIP	100	5%	1/10W
R1122	1-216-809-11	METAL CHIP	100	5%	1/10W
R1123	1-216-809-11	METAL CHIP	100	5%	1/10W
R1124	1-216-809-11	METAL CHIP	100	5%	1/10W
R1127	1-216-809-11	METAL CHIP	100	5%	1/10W
R1128	1-216-809-11	METAL CHIP	100	5%	1/10W
R1129	1-216-809-11	METAL CHIP	100	5%	1/10W
R1132	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1134	1-216-809-11	METAL CHIP	100	5%	1/10W
R1135	1-216-809-11	METAL CHIP	100	5%	1/10W
R1136	1-216-809-11	METAL CHIP	100	5%	1/10W
R1137	1-216-809-11	METAL CHIP	100	5%	1/10W
R1138	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1140	1-216-809-11	METAL CHIP	100	5%	1/10W
R1142	1-216-809-11	METAL CHIP	100	5%	1/10W
R1143	1-216-809-11	METAL CHIP	100	5%	1/10W
R1144	1-216-809-11	METAL CHIP	100	5%	1/10W
R1147	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1149	1-216-809-11	METAL CHIP	100	5%	1/10W
R1150	1-216-809-11	METAL CHIP	100	5%	1/10W
R1151	1-216-809-11	METAL CHIP	100	5%	1/10W
R1152	1-216-809-11	METAL CHIP	100	5%	1/10W
R1153	1-216-809-11	METAL CHIP	100	5%	1/10W
R1154	1-216-809-11	METAL CHIP	100	5%	1/10W
R1155	1-216-809-11	METAL CHIP	100	5%	1/10W
R1159	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1160	1-216-809-11	METAL CHIP	100	5%	1/10W
R1161	1-216-809-11	METAL CHIP	100	5%	1/10W
R1162	1-216-809-11	METAL CHIP	100	5%	1/10W
R1163	1-216-841-11	METAL CHIP	47K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1164	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1167	1-216-809-11	METAL CHIP	100	5%	1/10W
R1168	1-216-809-11	METAL CHIP	100	5%	1/10W
R1176	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1177	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1178	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1179	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1180	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1186	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1187	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1189	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1190	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1193	1-216-833-11	METAL CHIP	10K	5%	1/10W (E51)
R1193	1-216-837-11	METAL CHIP	22K	5%	1/10W (AUS)
R1193	1-216-841-11	METAL CHIP	47K	5%	1/10W (MX, SP)
R1194	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (SP)
R1194	1-216-841-11	METAL CHIP	47K	5%	1/10W (EXCEPT SP)
R1201	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1251	1-216-840-11	METAL CHIP	39K	5%	1/10W
R1252	1-216-840-11	METAL CHIP	39K	5%	1/10W
R1260	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1261	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1301	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1302	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1303	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1304	1-216-809-11	METAL CHIP	100	5%	1/10W
R1305	1-216-819-11	METAL CHIP	680	5%	1/10W
R1306	1-216-801-11	METAL CHIP	22	5%	1/10W
R1307	1-216-809-11	METAL CHIP	100	5%	1/10W
R1308	1-216-809-11	METAL CHIP	100	5%	1/10W
R1309	1-216-809-11	METAL CHIP	100	5%	1/10W
R1310	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1311	1-216-809-11	METAL CHIP	100	5%	1/10W
R1312	1-216-809-11	METAL CHIP	100	5%	1/10W
R1313	1-216-809-11	METAL CHIP	100	5%	1/10W
R1314	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1315	1-216-809-11	METAL CHIP	100	5%	1/10W
R1316	1-216-809-11	METAL CHIP	100	5%	1/10W
R1318	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1351	1-216-809-11	METAL CHIP	100	5%	1/10W
R1354	1-216-809-11	METAL CHIP	100	5%	1/10W
R1355	1-218-285-11	METAL CHIP	75	5%	1/10W
R1356	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1357	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1358	1-216-854-11	METAL CHIP	560K	5%	1/10W
R1359	1-216-809-11	METAL CHIP	100	5%	1/10W
R1360	1-216-809-11	METAL CHIP	100	5%	1/10W
R1362	1-216-809-11	METAL CHIP	100	5%	1/10W
R1401	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1402	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1403	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1407	1-216-809-11	METAL CHIP	100	5%	1/10W
R1414	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R1416	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1420	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
R1421	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R1424	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R1425	1-216-864-11	SHORT CHIP	0		
R1426	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1434	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R1435	1-216-864-11	SHORT CHIP	0		
R1436	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1444	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R1445	1-216-864-11	SHORT CHIP	0		
R1446	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1454	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R1455	1-216-864-11	SHORT CHIP	0		
R1456	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1460	1-216-864-11	SHORT CHIP	0		
R1461	1-216-864-11	SHORT CHIP	0		
R1463	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R1464	1-216-864-11	SHORT CHIP	0		
R1466	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1470	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R1471	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
R1472	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
R1473	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R1474	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1475	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
R1476	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1483	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R1484	1-216-864-11	SHORT CHIP	0		
R1486	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1490	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R1491	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R1492	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R1493	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R1494	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R1495	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R1501	1-216-809-11	METAL CHIP	100	5%	1/10W
R1502	1-216-809-11	METAL CHIP	100	5%	1/10W
R1503	1-216-813-11	METAL CHIP	220	5%	1/10W
R1504	1-216-809-11	METAL CHIP	100	5%	1/10W
R1505	1-216-809-11	METAL CHIP	100	5%	1/10W
R1506	1-216-809-11	METAL CHIP	100	5%	1/10W
R1507	1-216-809-11	METAL CHIP	100	5%	1/10W
R1508	1-216-809-11	METAL CHIP	100	5%	1/10W
R1509	1-216-809-11	METAL CHIP	100	5%	1/10W
R1510	1-216-809-11	METAL CHIP	100	5%	1/10W
R1511	1-216-809-11	METAL CHIP	100	5%	1/10W
R1512	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1513	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1514	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1515	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1517	1-216-813-11	METAL CHIP	220	5%	1/10W
R1518	1-216-813-11	METAL CHIP	220	5%	1/10W
R1519	1-216-813-11	METAL CHIP	220	5%	1/10W
R1520	1-216-813-11	METAL CHIP	220	5%	1/10W
R1521	1-216-813-11	METAL CHIP	220	5%	1/10W
R1522	1-216-813-11	METAL CHIP	220	5%	1/10W
R1523	1-216-813-11	METAL CHIP	220	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1524	1-216-864-11	SHORT CHIP	0		
R1525	1-216-813-11	METAL CHIP	220	5%	1/10W
R1526	1-216-813-11	METAL CHIP	220	5%	1/10W
R1527	1-216-813-11	METAL CHIP	220	5%	1/10W
R1528	1-216-813-11	METAL CHIP	220	5%	1/10W
R1532	1-216-813-11	METAL CHIP	220	5%	1/10W
R1533	1-216-813-11	METAL CHIP	220	5%	1/10W
R1534	1-216-813-11	METAL CHIP	220	5%	1/10W
R1535	1-216-813-11	METAL CHIP	220	5%	1/10W
R1536	1-216-813-11	METAL CHIP	220	5%	1/10W
R1537	1-216-813-11	METAL CHIP	220	5%	1/10W
R1538	1-216-813-11	METAL CHIP	220	5%	1/10W
R1539	1-216-813-11	METAL CHIP	220	5%	1/10W
R1540	1-216-813-11	METAL CHIP	220	5%	1/10W
R1541	1-216-813-11	METAL CHIP	220	5%	1/10W
R1542	1-216-813-11	METAL CHIP	220	5%	1/10W
R1543	1-216-813-11	METAL CHIP	220	5%	1/10W
R1544	1-216-813-11	METAL CHIP	220	5%	1/10W
R1545	1-216-813-11	METAL CHIP	220	5%	1/10W
R1546	1-216-813-11	METAL CHIP	220	5%	1/10W
R1547	1-216-813-11	METAL CHIP	220	5%	1/10W
R1548	1-216-813-11	METAL CHIP	220	5%	1/10W
R1549	1-216-813-11	METAL CHIP	220	5%	1/10W
R1550	1-216-813-11	METAL CHIP	220	5%	1/10W
R1551	1-216-813-11	METAL CHIP	220	5%	1/10W
R1552	1-216-813-11	METAL CHIP	220	5%	1/10W
R1553	1-216-813-11	METAL CHIP	220	5%	1/10W
R1554	1-216-813-11	METAL CHIP	220	5%	1/10W
R1555	1-216-813-11	METAL CHIP	220	5%	1/10W
R1556	1-216-809-11	METAL CHIP	100	5%	1/10W
R1570	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1571	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1572	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1573	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1574	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1635	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1636	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
		< VIBRATOR >			
X1101	1-813-448-21	PIEZOELECTRIC OSCILLATOR 24MHz			
X1301	1-795-126-21	VIBRATOR, CRYSTAL 12.288MHz			
X1502	1-813-276-21	QUARTZ CRYSTAL 13.9MHz			
**					
	A-1084-338-A	DISPLAY BOARD, COMPLETE			
		************************			
		< CAPACITOR >			
C100	1-127-888-11	CERAMIC	0.1uF	10%	50V
C101	1-127-888-11	CERAMIC	0.1uF	10%	50V
C104	1-113-342-11	CERAMIC	0.1uF		50V
C105	1-126-795-11	ELECT	10uF	20%	50V
C108	1-127-888-11	CERAMIC	0.1uF	10%	50V
C109	1-127-888-11	CERAMIC	0.1uF	10%	50V
C110	1-162-286-31	CERAMIC	220PF	10%	50V
C111	1-162-286-31	CERAMIC	220PF	10%	50V
C112	1-162-286-31	CERAMIC	220PF	10%	50V
C114	1-127-888-11	CERAMIC	0.1uF	10%	50V
C115	1-126-795-11	ELECT	10uF	20%	50V
C132	1-162-286-31	CERAMIC	220PF	10%	50V
C133	1-162-286-31	CERAMIC	220PF	10%	50V
C134	1-162-286-31	CERAMIC	220PF	10%	50V
C135	1-162-286-31	CERAMIC	220PF	10%	50V
C136	1-162-286-31	CERAMIC	220PF	10%	50V
C137	1-162-286-31	CERAMIC	220PF	10%	50V
C138	1-162-286-31	CERAMIC	220PF	10%	50V
C139	1-162-286-31	CERAMIC	220PF	10%	50V
C140	1-162-286-31	CERAMIC	220PF	10%	50V
C141	1-162-286-31	CERAMIC	220PF	10%	50V
C142	1-162-286-31	CERAMIC	220PF	10%	50V
C143	1-162-286-31	CERAMIC	220PF	10%	50V
C144	1-127-888-11	CERAMIC	0.1uF	10%	50V
C150	1-127-888-11	CERAMIC	0.1uF	10%	50V
C151	1-126-795-11	ELECT	10uF	20%	50V
C152	1-162-286-31	CERAMIC	220PF	10%	50V
C153	1-162-286-31	CERAMIC	220PF	10%	50V
C154	1-162-286-31	CERAMIC	220PF	10%	50V
C155	1-127-888-11	CERAMIC	0.1uF	10%	50V
C156	1-127-888-11	CERAMIC	0.1uF	10%	50V
C157	1-127-888-11	CERAMIC	0.1uF	10%	50V
		< CONNECTOR >			
CNS100	1-568-838-11	CONNECTOR, FFC 21P			
		< DIODE >			
D101	8-719-061-96	DIODE SLR-325DCT31 (2CH)			
D102	8-719-061-96	DIODE SLR-325DCT31 (MUSIC)			
D103	8-719-061-96	DIODE SLR-325DCT31 (MOVIE)			
D104	8-719-061-96	DIODE SLR-325DCT31 (A.F.D.)			
D105	6-500-647-01	DIODE SEL5E20C-STP15 (MULTI CHANNEL DECODING)			
		< FLUORESCENT INDICATOR >			
FL101	1-518-966-11	VOCUUM FLUORESENT DISPLAYS			
		< IC >			
IC100	8-759-643-83	IC PT6315			
IC101	8-759-036-90	IC MC74ACT08N			
IC102	6-600-349-31	IC NJL24H400A (■)			
		< TRANSISTOR >			
Q110	8-729-119-78	TRANSISTOR 2SC1740S-QRT			
		< RESISTOR >			
R101	1-249-409-11	CARBON	220	5%	1/4W
R102	1-249-411-11	CARBON	330	5%	1/4W
R103	1-249-413-11	CARBON	470	5%	1/4W
R104	1-249-415-11	CARBON	680	5%	1/4W
R105	1-247-831-91	CARBON	1K	5%	1/4W
R106	1-249-419-11	CARBON	1.5K	5%	1/4W
R107	1-249-421-11	CARBON	2.2K	5%	1/4W
R108	1-247-847-91	CARBON	4.7K	5%	1/4W
R109	1-249-429-11	CARBON	10K	5%	1/4W
R110	1-249-435-11	CARBON	33K	5%	1/4W
R111	1-249-421-11	CARBON	2.2K	5%	1/4W

Ref. No.	Part No.	Description			Remark
R121	1-249-409-11	CARBON	220	5%	1/4W
R122	1-249-411-11	CARBON	330	5%	1/4W
R123	1-249-413-11	CARBON	470	5%	1/4W
R124	1-249-415-11	CARBON	680	5%	1/4W
R125	1-247-831-91	CARBON	1K	5%	1/4W
R128	1-249-419-11	CARBON	1.5K	5%	1/4W
R142	1-249-409-11	CARBON	220	5%	1/4W
R143	1-249-411-11	CARBON	330	5%	1/4W
R144	1-249-413-11	CARBON	470	5%	1/4W
R148	1-249-415-11	CARBON	680	5%	1/4W
⚠R154	1-249-393-11	CARBON	10	5%	1/4W
R155	1-247-807-31	CARBON	100	5%	1/4W
R160	1-249-409-11	CARBON	220	5%	1/4W
R161	1-247-804-11	CARBON	75	5%	1/4W
R162	1-249-429-11	CARBON	10K	5%	1/4W
R171	1-249-440-11	CARBON	82K	5%	1/4W
R172	1-247-807-31	CARBON	100	5%	1/4W
R173	1-247-807-31	CARBON	100	5%	1/4W
R174	1-247-807-31	CARBON	100	5%	1/4W
⚠R175	1-249-393-11	CARBON	10	5%	1/4W
⚠R198	1-249-381-11	CARBON	1	5%	1/4W
⚠R199	1-249-381-11	CARBON	1	5%	1/4W
		< VARIABLE RESISTOR >			
RV102	1-418-725-41	ENCODER, ROTARY (12 TYPE) (MASTER VOLUME)			
		< SWITCH >			
S100	1-771-410-21	SWITCH, TACTILE (>)			
S101	1-771-410-21	SWITCH, TACTILE (INPUT MODE)			
S102	1-771-410-21	SWITCH, TACTILE (DVD)			
S103	1-771-410-21	SWITCH, TACTILE (MD/TAPE)			
S104	1-771-410-21	SWITCH, TACTILE (SA-CD/CD)			
S105	1-771-410-21	SWITCH, TACTILE (FM)			
S106	1-771-410-21	SWITCH, TACTILE (MAIN MENU)			
S107	1-771-410-21	SWITCH, TACTILE (ENTER)			
S108	1-771-410-21	SWITCH, TACTILE (<)			
S109	1-771-410-21	SWITCH, TACTILE (+)			
S110	1-771-410-21	SWITCH, TACTILE (AM)			
S120	1-771-410-21	SWITCH, TACTILE (SURR BACK DECODING)			
S121	1-771-410-21	SWITCH, TACTILE (MUSIC)			
S122	1-771-410-21	SWITCH, TACTILE (MOVIE)			
S123	1-771-410-21	SWITCH, TACTILE (A.F.D.)			
S124	1-771-410-21	SWITCH, TACTILE (2CH)			
S125	1-771-410-21	SWITCH, TACTILE (SLEEP)			
S140	1-771-410-21	SWITCH, TACTILE (–)			
S141	1-771-410-21	SWITCH, TACTILE (VIDEO 3)			
S142	1-771-410-21	SWITCH, TACTILE (VIDEO 2)			
S143	1-771-410-21	SWITCH, TACTILE (VIDEO 1)			
**					
		HEADPHONE BOARD			
		****************			
		< CAPACITOR >			
C790	1-127-888-11	CERAMIC	0.1uF	10%	50V
		< CONNECTOR >			
CNP791	1-691-766-11	PLUG (MICRO CONNECTOR) 4P			
		< JACK >			
J791	1-815-314-21	JACK (PHONES)			
**					
	A-1088-011-A	MAIN BOARD, COMPLETE (E51, MX)			
	A-1088-139-A	MAIN BOARD, COMPLETE (SP, AUS)			
		**********************			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C400	1-127-888-11	CERAMIC	0.1uF	10%	50V
C403	1-127-888-11	CERAMIC	0.1uF	10%	50V
C408	1-126-963-11	ELECT	4.7uF	20%	50V
C409	1-126-963-11	ELECT	4.7uF	20%	50V
C444	1-127-868-11	CERAMIC	2200PF	10%	50V
C445	1-128-825-11	CERAMIC	2200PF	5%	50V
C458	1-126-963-11	ELECT	4.7uF	20%	50V
C459	1-126-963-11	ELECT	4.7uF	20%	50V
C464	1-127-888-11	CERAMIC	0.1uF	10%	50V
C468	1-162-282-31	CERAMIC	100PF	10%	50V
C469	1-162-282-31	CERAMIC	100PF	10%	50V
C471	1-126-963-11	ELECT	4.7uF	20%	50V
C472	1-126-963-11	ELECT	4.7uF	20%	50V
C481	1-126-964-11	ELECT	10uF	20%	50V
C484	1-126-964-11	ELECT	10uF	20%	50V
C485	1-126-964-11	ELECT	10uF	20%	50V
C488	1-127-888-11	CERAMIC	0.1uF	10%	50V
C490	1-126-964-11	ELECT	10uF	20%	50V
C492	1-126-964-11	ELECT	10uF	20%	50V
C493	1-126-964-11	ELECT	10uF	20%	50V
C495	1-126-964-11	ELECT	10uF	20%	50V
C499	1-162-286-31	CERAMIC	220PF	10%	50V
C501	1-126-963-11	ELECT	4.7uF	20%	50V
C503	1-104-658-91	ELECT	100uF	20%	10V
C504	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C505	1-102-233-00	CERAMIC	33PF	10%	500V
C506	1-162-282-31	CERAMIC	100PF	10%	50V
C507	1-162-282-31	CERAMIC	100PF	10%	50V
C510	1-126-947-11	ELECT	47uF	20%	25V
C511	1-136-157-00	FILM	0.022uF	5%	50V
C516	1-162-815-11	CERAMIC	47PF	5%	500V
C517	1-162-815-11	CERAMIC	47PF	5%	500V
C519	1-162-286-31	CERAMIC	220PF	10%	50V
C531	1-136-157-00	FILM	0.022uF	5%	50V
C539	1-162-286-31	CERAMIC	220PF	10%	50V
C540	1-126-964-11	ELECT	10uF	20%	50V
C541	1-127-876-11	CERAMIC	0.01uF	10%	50V
C553	1-104-658-91	ELECT	100uF	20%	10V
C554	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C561	1-126-963-11	ELECT	4.7uF	20%	50V
C565	1-102-233-00	CERAMIC	33PF	10%	500V
C566	1-162-282-31	CERAMIC	100PF	10%	50V
C567	1-162-282-31	CERAMIC	100PF	10%	50V
C570	1-126-947-11	ELECT	47uF	20%	25V

Ref. No.	Part No.	Description			Remark
C576	1-162-815-11	CERAMIC	47PF	5%	500V
C577	1-162-815-11	CERAMIC	47PF	5%	500V
C580	1-126-964-11	ELECT	10uF	20%	50V
C581	1-127-876-11	CERAMIC	0.01uF	10%	50V
C601	1-126-963-11	ELECT	4.7uF	20%	50V
C603	1-104-658-91	ELECT	100uF	20%	10V
C604	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C605	1-102-233-00	CERAMIC	33PF	10%	500V
C606	1-162-282-31	CERAMIC	100PF	10%	50V
C607	1-162-282-31	CERAMIC	100PF	10%	50V
C610	1-126-947-11	ELECT	47uF	20%	25V
C611	1-136-157-00	FILM	0.022uF	5%	50V
C619	1-162-286-31	CERAMIC	220PF	10%	50V
C620	1-162-815-11	CERAMIC	47PF	5%	500V
C621	1-162-815-11	CERAMIC	47PF	5%	500V
C640	1-126-964-11	ELECT	10uF	20%	50V
C642	1-127-876-11	CERAMIC	0.01uF	10%	50V
C651	1-126-963-11	ELECT	4.7uF	20%	50V
C653	1-104-658-91	ELECT	100uF	20%	10V
C654	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C655	1-102-233-00	CERAMIC	33PF	10%	500V
C656	1-162-282-31	CERAMIC	100PF	10%	50V
C657	1-162-282-31	CERAMIC	100PF	10%	50V
C660	1-126-947-11	ELECT	47uF	20%	25V
C661	1-136-157-00	FILM	0.022uF	5%	50V
C666	1-162-815-11	CERAMIC	47PF	5%	500V
C669	1-162-815-11	CERAMIC	47PF	5%	500V
C670	1-162-286-31	CERAMIC	220PF	10%	50V
C680	1-126-964-11	ELECT	10uF	20%	50V
C681	1-127-876-11	CERAMIC	0.01uF	10%	50V
C691	1-127-888-11	CERAMIC	0.1uF	10%	50V
C701	1-126-963-11	ELECT	4.7uF	20%	50V
C702	1-126-964-11	ELECT	10uF	20%	50V
C703	1-104-658-91	ELECT	100uF	20%	10V
C704	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C705	1-102-233-00	CERAMIC	33PF	10%	500V
C706	1-162-282-31	CERAMIC	100PF	10%	50V
C707	1-162-282-31	CERAMIC	100PF	10%	50V
C710	1-126-947-11	ELECT	47uF	20%	25V
C711	1-136-157-00	FILM	0.022uF	5%	50V
C716	1-162-815-11	CERAMIC	47PF	5%	500V
C717	1-162-815-11	CERAMIC	47PF	5%	500V
C720	1-162-286-31	CERAMIC	220PF	10%	50V
C721	1-126-923-91	ELECT	220uF	20%	10V
C722	1-126-964-11	ELECT	10uF	20%	50V
C732	1-128-582-11	ELECT	10uF	20%	100V
C733	1-128-582-11	ELECT	10uF	20%	100V
C740	1-126-964-11	ELECT	10uF	20%	50V
C741	1-128-579-11	ELECT	2.2uF	20%	100V
C742	1-127-876-11	CERAMIC	0.01uF	10%	50V
C743	1-128-579-11	ELECT	2.2uF	20%	100V
C744	1-128-579-11	ELECT	2.2uF	20%	100V
C750	1-126-964-11	ELECT	10uF	20%	50V
C751	1-126-963-11	ELECT	4.7uF	20%	50V
C752	1-127-876-11	CERAMIC	0.01uF	10%	50V
C753	1-104-658-91	ELECT	100uF	20%	10V
C754	1-107-583-11	CERAMIC	3PF	0.25PF	500V

Ref. No.	Part No.	Description			Remark
C755	1-102-233-00	CERAMIC	33PF	10%	500V
C756	1-162-282-31	CERAMIC	100PF	10%	50V
C757	1-162-282-31	CERAMIC	100PF	10%	50V
C760	1-126-947-11	ELECT	47uF	20%	25V
C761	1-136-157-00	FILM	0.022uF	5%	50V
C762	1-126-964-11	ELECT	10uF	20%	50V
C766	1-162-815-11	CERAMIC	47PF	5%	500V
C767	1-162-815-11	CERAMIC	47PF	5%	500V
C770	1-162-286-31	CERAMIC	220PF	10%	50V
C791	1-126-923-91	ELECT	220uF	20%	10V
C801	1-126-947-11	ELECT	47uF	20%	35V
C802	1-126-947-11	ELECT	47uF	20%	35V
C803	1-165-946-11	ELECT	6800uF	20%	71V
C804	1-165-946-11	ELECT	6800uF	20%	71V
C805	1-135-851-21	MYLAR	0.22uF		100V
C806	1-135-851-21	MYLAR	0.22uF		100V
C807	1-126-947-11	ELECT	47uF	20%	25V
C808	1-126-947-11	ELECT	47uF	20%	25V
C809	1-127-888-11	CERAMIC	0.1uF	10%	50V
C810	1-127-888-11	CERAMIC	0.1uF	10%	50V
C811	1-127-888-11	CERAMIC	0.1uF	10%	50V
C822	1-126-947-11	ELECT	47uF	20%	35V
C830	1-127-888-11	CERAMIC	0.1uF	10%	50V
C831	1-127-888-11	CERAMIC	0.1uF	10%	50V
C832	1-126-936-11	ELECT	3300uF	20%	16V

< CAPACITOR >

Ref. No.	Part No.	Description			Remark
CC02	1-162-282-31	CERAMIC	100PF	10%	50V (SP, AUS)
CC04	1-162-282-31	CERAMIC	100PF	10%	50V (SP, AUS)
CC05	1-162-282-31	CERAMIC	100PF	10%	50V (SP, AUS)
CC06	1-162-282-31	CERAMIC	100PF	10%	50V (SP, AUS)
CC07	1-162-282-31	CERAMIC	100PF	10%	50V (SP, AUS)
CC08	1-162-282-31	CERAMIC	100PF	10%	50V (SP, AUS)
CC09	1-162-282-31	CERAMIC	100PF	10%	50V (SP, AUS)
CC11	1-127-876-11	CERAMIC	0.01uF	10%	50V (SP, AUS)
CC13	1-127-876-11	CERAMIC	0.01uF	10%	50V (SP, AUS)
CC15	1-127-876-11	CERAMIC	0.01uF	10%	50V (SP, AUS)
CC17	1-127-876-11	CERAMIC	0.01uF	10%	50V (SP, AUS)
CC31	1-162-286-31	CERAMIC	220PF	10%	50V (SP, AUS)
CC32	1-162-286-31	CERAMIC	220PF	10%	50V (SP, AUS)
CC33	1-162-286-31	CERAMIC	220PF	10%	50V (SP, AUS)
CC34	1-162-286-31	CERAMIC	220PF	10%	50V (SP, AUS)
CC35	1-162-286-31	CERAMIC	220PF	10%	50V (SP, AUS)

Ref. No.	Part No.	Description			Remark
CC36	1-162-286-31	CERAMIC	220PF	10%	50V (SP, AUS)
CC52	1-162-282-31	CERAMIC	100PF	10%	50V (SP, AUS)
CC54	1-162-282-31	CERAMIC	100PF	10%	50V (SP, AUS)
CC55	1-162-282-31	CERAMIC	100PF	10%	50V (SP, AUS)
CC56	1-162-282-31	CERAMIC	100PF	10%	50V (SP, AUS)
CC57	1-162-282-31	CERAMIC	100PF	10%	50V (SP, AUS)
CC58	1-162-282-31	CERAMIC	100PF	10%	50V (SP, AUS)
CC59	1-162-282-31	CERAMIC	100PF	10%	50V (SP, AUS)

< CONNECTOR >

Ref. No.	Part No.	Description
CNP500	1-766-715-21	CONNECTOR, BOARD TO BOARD 10P
CNP501	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P
CNP503	1-779-978-11	PIN, CONNECTOR 3P
CNP802	1-691-767-11	PLUG (MICRO CONNECTOR) 5P
CNP806	1-784-921-11	PIN, CONNECTOR 4P
• CNP908	1-564-242-00	PIN, CONNECTOR (3.96mm PITCH) 5P
CNP911	1-784-926-11	PIN, CONNECTOR 11P
CNP912	1-691-766-11	PLUG (MICRO CONNECTOR) 4P

< DIODE >

Ref. No.	Part No.	Description
D505	8-719-991-33	DIODE 1SS133T-72
D540	8-719-991-33	DIODE 1SS133T-72
D560	8-719-991-33	DIODE 1SS133T-72
D580	8-719-991-33	DIODE 1SS133T-72
D585	8-719-991-33	DIODE 1SS133T-72
D605	8-719-991-33	DIODE 1SS133T-72
D610	8-719-991-33	DIODE 1SS133T-72
D640	8-719-991-33	DIODE 1SS133T-72
D665	8-719-991-33	DIODE 1SS133T-72
D680	8-719-991-33	DIODE 1SS133T-72
D690	8-719-934-21	DIODE HZS30-1LTA
D691	8-719-991-33	DIODE 1SS133T-72
D705	8-719-991-33	DIODE 1SS133T-72
D710	8-719-991-33	DIODE 1SS133T-72
D721	8-719-991-33	DIODE 1SS133T-72
D722	8-719-991-33	DIODE 1SS133T-72
D732	8-719-991-33	DIODE 1SS133T-72
D740	8-719-991-33	DIODE 1SS133T-72
D750	8-719-991-33	DIODE 1SS133T-72
D765	8-719-991-33	DIODE 1SS133T-72
D791	8-719-991-33	DIODE 1SS133T-72
D801	8-719-933-95	DIODE HZS20-1LTA
D802	8-719-072-05	DIODE RBV-602LF-A
D804	8-719-068-28	DIODE HZ6.8BP-TK
D805	6-500-522-11	DIODE 10ED840-TA2B5
D806	6-500-522-11	DIODE 10ED840-TA2B5
D807	6-500-522-11	DIODE 10ED840-TA2B5
D808	6-500-522-11	DIODE 10ED840-TA2B5
D818	8-719-991-33	DIODE 1SS133T-72
D896	8-719-043-76	DIODE AK04V1

< IC >

Ref. No.	Part No.	Description	Remark
IC401	6-707-362-01	IC BD3451KS	
IC402	8-759-167-88	IC NJM4565D	
IC501	6-700-943-01	IC uPC2581V-S	
IC601	6-700-943-01	IC uPC2581V-S	
IC691	8-759-167-88	IC NJM4565D	
IC701	6-700-943-01	IC uPC2581V-S	
IC801	8-759-071-48	IC TA7807S	
IC802	8-759-071-47	IC TA79007S	

< JACK >

Ref. No.	Part No.	Description	Remark
J309	1-793-777-12	JACK, PIN 2P (SUB WOOFER)	
J401	1-793-775-12	JACK, PIN 6P (MULTI CH IN)	
J402	1-770-614-11	JACK, PIN 4P (SA-CD/CD / MD/TAPE)	
J403	1-770-614-11	JACK, PIN 4P (MD/TAPE / DVD)	
J404	1-774-411-11	JACK, PIN 6P (VIDEO 2 / VIDEO 1)	

< COIL >

Ref. No.	Part No.	Description	Remark
L601	1-420-872-52	COIL, AIR-CORE	
L651	1-420-872-52	COIL, AIR-CORE	
L701	1-420-872-52	COIL, AIR-CORE	
L751	1-420-872-52	COIL, AIR-CORE	

< TRANSISTOR >

Ref. No.	Part No.	Description	Remark
Q501	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
Q502	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q505	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q506	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q535	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q536	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q540	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q560	8-729-119-78	TRANSISTOR 2SC1740S-QRT	
Q571	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
Q572	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q580	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q601	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
Q602	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q605	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q606	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q610	8-729-119-78	TRANSISTOR 2SC1740S-QRT	
Q640	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q651	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
Q652	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q655	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q656	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q680	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q691	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q692	8-729-029-40	TRANSISTOR DTA124ESA-TP	
Q701	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
Q702	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q705	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q706	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q710	8-729-119-78	TRANSISTOR 2SC1740S-QRT	
Q722	8-729-140-84	TRANSISTOR 2SC1841TP-PAFAEA	
Q723	8-729-119-78	TRANSISTOR 2SC1740S-QRT	
Q725	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q740	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q750	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	

Ref. No.	Part No.	Description			Remark
Q751	8-729-119-76	TRANSISTOR	2SA1115TP-EF		
Q752	8-729-141-30	TRANSISTOR	2SC3623ATP-LK		
Q755	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP		
Q756	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP		
Q790	8-729-119-78	TRANSISTOR	2SC1740S-QRT		
Q793	8-729-119-78	TRANSISTOR	2SC1740S-QRT		
Q795	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP		
Q801	8-729-140-97	TRANSISTOR	2SB734-T-34		
Q809	8-729-119-78	TRANSISTOR	2SC1740S-QRT		
		< RESISTOR >			
R402	1-247-831-91	CARBON	1K	5%	1/4W
R404	1-247-831-91	CARBON	1K	5%	1/4W
R405	1-247-831-91	CARBON	1K	5%	1/4W
R406	1-247-831-91	CARBON	1K	5%	1/4W
R407	1-247-831-91	CARBON	1K	5%	1/4W
R408	1-247-831-91	CARBON	1K	5%	1/4W
R409	1-247-831-91	CARBON	1K	5%	1/4W
R428	1-247-831-91	CARBON	1K	5%	1/4W
R429	1-247-831-91	CARBON	1K	5%	1/4W
R431	1-247-831-91	CARBON	1K	5%	1/4W
R432	1-247-831-91	CARBON	1K	5%	1/4W
R433	1-247-831-91	CARBON	1K	5%	1/4W
R434	1-247-831-91	CARBON	1K	5%	1/4W
R435	1-247-831-91	CARBON	1K	5%	1/4W
R436	1-247-831-91	CARBON	1K	5%	1/4W
R452	1-247-831-91	CARBON	1K	5%	1/4W
R454	1-247-831-91	CARBON	1K	5%	1/4W
R455	1-247-831-91	CARBON	1K	5%	1/4W
R456	1-247-831-91	CARBON	1K	5%	1/4W
R457	1-247-831-91	CARBON	1K	5%	1/4W
R458	1-247-831-91	CARBON	1K	5%	1/4W
R459	1-247-831-91	CARBON	1K	5%	1/4W
R468	1-247-879-91	CARBON	100K	5%	1/4W
R469	1-247-831-91	CARBON	1K	5%	1/4W
R470	1-247-871-91	CARBON	47K	5%	1/4W
R473	1-249-429-11	CARBON	10K	5%	1/4W
R474	1-249-429-11	CARBON	10K	5%	1/4W
R475	1-249-429-11	CARBON	10K	5%	1/4W
R476	1-249-429-11	CARBON	10K	5%	1/4W
R480	1-247-871-91	CARBON	47K	5%	1/4W
R499	1-247-871-91	CARBON	47K	5%	1/4W
R501	1-247-831-91	CARBON	1K	5%	1/4W
R502	1-249-439-11	CARBON	68K	5%	1/4W
R503	1-249-421-11	CARBON	2.2K	5%	1/4W
R505	1-249-439-11	CARBON	68K	5%	1/4W
R510	1-249-421-11	CARBON	2.2K	5%	1/4W
R511	1-249-440-11	CARBON	82K	5%	1/4W
R513	1-249-414-11	CARBON	560	5%	1/4W
⚠R514	1-249-399-11	CARBON	33	5%	1/4W
⚠R515	1-249-399-11	CARBON	33	5%	1/4W
⚠R516	1-234-182-11	ENCAPSULATED COMPONENT			
⚠R517	1-249-393-11	CARBON	10	5%	1/4W
R520	1-247-847-91	CARBON	4.7K	5%	1/4W
⚠R521	1-240-855-81	CARBON	6.2K	5%	1/4W
R522	1-249-419-11	CARBON	1.5K	5%	1/4W
R523	1-247-871-91	CARBON	47K	5%	1/4W
R524	1-249-431-11	CARBON	15K	5%	1/4W
R525	1-249-439-11	CARBON	68K	5%	1/4W
⚠R526	1-234-182-11	ENCAPSULATED COMPONENT			
R530	1-247-847-91	CARBON	4.7K	5%	1/4W
⚠R531	1-240-855-81	CARBON	6.2K	5%	1/4W
R532	1-249-429-11	CARBON	10K	5%	1/4W
R533	1-247-871-91	CARBON	47K	5%	1/4W
R534	1-249-431-11	CARBON	15K	5%	1/4W
R535	1-249-439-11	CARBON	68K	5%	1/4W
⚠R537	1-249-393-11	CARBON	10	5%	1/4W
R540	1-247-863-91	CARBON	22K	5%	1/4W
R546	1-249-431-11	CARBON	15K	5%	1/4W
R553	1-249-421-11	CARBON	2.2K	5%	1/4W
R554	1-249-439-11	CARBON	68K	5%	1/4W
R555	1-247-847-91	CARBON	4.7K	5%	1/4W
R556	1-247-871-91	CARBON	47K	5%	1/4W
R557	1-249-431-11	CARBON	15K	5%	1/4W
R561	1-247-831-91	CARBON	1K	5%	1/4W
R562	1-249-439-11	CARBON	68K	5%	1/4W
R570	1-249-421-11	CARBON	2.2K	5%	1/4W
R571	1-249-440-11	CARBON	82K	5%	1/4W
R572	1-249-419-11	CARBON	1.5K	5%	1/4W
R573	1-247-871-91	CARBON	47K	5%	1/4W
⚠R574	1-249-399-11	CARBON	33	5%	1/4W
⚠R575	1-249-399-11	CARBON	33	5%	1/4W
R576	1-249-414-11	CARBON	560	5%	1/4W
R580	1-247-863-91	CARBON	22K	5%	1/4W
R585	1-247-847-91	CARBON	4.7K	5%	1/4W
R586	1-247-871-91	CARBON	47K	5%	1/4W
R587	1-249-431-11	CARBON	15K	5%	1/4W
R588	1-249-431-11	CARBON	15K	5%	1/4W
R601	1-247-831-91	CARBON	1K	5%	1/4W
R602	1-249-439-11	CARBON	68K	5%	1/4W
R603	1-249-421-11	CARBON	2.2K	5%	1/4W
R604	1-249-439-11	CARBON	68K	5%	1/4W
R610	1-249-421-11	CARBON	2.2K	5%	1/4W
R611	1-249-440-11	CARBON	82K	5%	1/4W
R613	1-249-414-11	CARBON	560	5%	1/4W
⚠R614	1-249-399-11	CARBON	33	5%	1/4W
⚠R615	1-249-399-11	CARBON	33	5%	1/4W
⚠R616	1-234-182-11	ENCAPSULATED COMPONENT			
⚠R617	1-249-393-11	CARBON	10	5%	1/4W
⚠R618	1-249-389-11	CARBON	4.7	5%	1/4W
R620	1-247-847-91	CARBON	4.7K	5%	1/4W
⚠R621	1-240-855-81	CARBON	6.2K	5%	1/4W
R622	1-249-419-11	CARBON	1.5K	5%	1/4W
R623	1-247-871-91	CARBON	47K	5%	1/4W
R624	1-249-431-11	CARBON	15K	5%	1/4W
R625	1-249-439-11	CARBON	68K	5%	1/4W
R631	1-249-421-11	CARBON	2.2K	5%	1/4W
⚠R634	1-249-404-00	CARBON	82	5%	1/4W
R638	1-249-439-11	CARBON	68K	5%	1/4W
R640	1-247-863-91	CARBON	22K	5%	1/4W
R648	1-249-431-11	CARBON	15K	5%	1/4W
R651	1-247-831-91	CARBON	1K	5%	1/4W
R652	1-249-439-11	CARBON	68K	5%	1/4W
R653	1-249-421-11	CARBON	2.2K	5%	1/4W
R654	1-249-439-11	CARBON	68K	5%	1/4W

Ref. No.	Part No.	Description			Remark
R655	1-247-847-91	CARBON	4.7K	5%	1/4W
R656	1-247-871-91	CARBON	47K	5%	1/4W
R657	1-249-431-11	CARBON	15K	5%	1/4W
R660	1-249-421-11	CARBON	2.2K	5%	1/4W
R661	1-249-440-11	CARBON	82K	5%	1/4W
R663	1-249-414-11	CARBON	560	5%	1/4W
⚠R664	1-249-399-11	CARBON	33	5%	1/4W
⚠R665	1-249-399-11	CARBON	33	5%	1/4W
⚠R666	1-234-182-11	ENCAPSULATED COMPONENT			
⚠R667	1-249-393-11	CARBON	10	5%	1/4W
⚠R668	1-249-389-11	CARBON	4.7	5%	1/4W
R669	1-247-847-91	CARBON	4.7K	5%	1/4W
⚠R671	1-240-855-81	CARBON	6.2K	5%	1/4W
R672	1-249-419-11	CARBON	1.5K	5%	1/4W
R673	1-247-871-91	CARBON	47K	5%	1/4W
R674	1-249-431-11	CARBON	15K	5%	1/4W
R675	1-247-847-91	CARBON	4.7K	5%	1/4W
R676	1-247-871-91	CARBON	47K	5%	1/4W
R677	1-249-431-11	CARBON	15K	5%	1/4W
R680	1-247-863-91	CARBON	22K	5%	1/4W
R681	1-249-431-11	CARBON	15K	5%	1/4W
R690	1-247-887-00	CARBON	220K	5%	1/4W
R691	1-215-888-00	METAL OXIDE	220	5%	2W
R692	1-215-888-00	METAL OXIDE	220	5%	2W
R693	1-249-429-11	CARBON	10K	5%	1/4W
R694	1-249-429-11	CARBON	10K	5%	1/4W
R695	1-249-429-11	CARBON	10K	5%	1/4W
R696	1-247-871-91	CARBON	47K	5%	1/4W
R698	1-249-429-11	CARBON	10K	5%	1/4W
R699	1-247-895-00	CARBON	470K	5%	1/4W
R701	1-247-831-91	CARBON	1K	5%	1/4W
R702	1-249-439-11	CARBON	68K	5%	1/4W
R703	1-249-421-11	CARBON	2.2K	5%	1/4W
R704	1-249-439-11	CARBON	68K	5%	1/4W
R710	1-249-421-11	CARBON	2.2K	5%	1/4W
R711	1-249-440-11	CARBON	82K	5%	1/4W
R713	1-249-414-11	CARBON	560	5%	1/4W
⚠R714	1-249-399-11	CARBON	33	5%	1/4W
⚠R715	1-249-399-11	CARBON	33	5%	1/4W
⚠R716	1-234-182-11	ENCAPSULATED COMPONENT			
⚠R717	1-249-393-11	CARBON	10	5%	1/4W
⚠R718	1-249-389-11	CARBON	4.7	5%	1/4W
R719	1-247-847-91	CARBON	4.7K	5%	1/4W
⚠R721	1-240-855-81	CARBON	6.2K	5%	1/4W
R722	1-249-419-11	CARBON	1.5K	5%	1/4W
R723	1-247-871-91	CARBON	47K	5%	1/4W
R724	1-249-431-11	CARBON	15K	5%	1/4W
R725	1-249-439-11	CARBON	68K	5%	1/4W
R731	1-249-421-11	CARBON	2.2K	5%	1/4W
⚠R732	1-249-381-11	CARBON	1	5%	1/4W
⚠R733	1-249-381-11	CARBON	1	5%	1/4W
⚠R734	1-249-404-00	CARBON	82	5%	1/4W
R735	1-249-427-11	CARBON	6.8K	5%	1/4W
R736	1-247-831-91	CARBON	1K	5%	1/4W
R737	1-249-436-11	CARBON	39K	5%	1/4W
R740	1-247-863-91	CARBON	22K	5%	1/4W
R741	1-249-431-11	CARBON	15K	5%	1/4W
R743	1-249-431-11	CARBON	15K	5%	1/4W
R744	1-249-431-11	CARBON	15K	5%	1/4W
R745	1-247-847-91	CARBON	4.7K	5%	1/4W
R746	1-247-871-91	CARBON	47K	5%	1/4W
R747	1-249-431-11	CARBON	15K	5%	1/4W
R748	1-249-431-11	CARBON	15K	5%	1/4W
R750	1-247-863-91	CARBON	22K	5%	1/4W
R751	1-247-831-91	CARBON	1K	5%	1/4W
R752	1-249-439-11	CARBON	68K	5%	1/4W
R753	1-249-421-11	CARBON	2.2K	5%	1/4W
R754	1-249-439-11	CARBON	68K	5%	1/4W
R755	1-247-847-91	CARBON	4.7K	5%	1/4W
R756	1-247-871-91	CARBON	47K	5%	1/4W
R757	1-249-431-11	CARBON	15K	5%	1/4W
R758	1-249-431-11	CARBON	15K	5%	1/4W
R760	1-249-421-11	CARBON	2.2K	5%	1/4W
R761	1-249-440-11	CARBON	82K	5%	1/4W
R763	1-249-414-11	CARBON	560	5%	1/4W
⚠R764	1-249-399-11	CARBON	33	5%	1/4W
⚠R765	1-249-399-11	CARBON	33	5%	1/4W
⚠R766	1-234-182-11	ENCAPSULATED COMPONENT			
⚠R767	1-249-393-11	CARBON	10	5%	1/4W
⚠R768	1-249-389-11	CARBON	4.7	5%	1/4W
R769	1-247-847-91	CARBON	4.7K	5%	1/4W
⚠R771	1-240-855-81	CARBON	6.2K	5%	1/4W
R772	1-249-419-11	CARBON	1.5K	5%	1/4W
R773	1-247-871-91	CARBON	47K	5%	1/4W
R775	1-249-439-11	CARBON	68K	5%	1/4W
R778	1-249-431-11	CARBON	15K	5%	1/4W
R780	1-249-429-11	CARBON	10K	5%	1/4W
R791	1-249-421-11	CARBON	2.2K	5%	1/4W
R792	1-215-868-00	METAL OXIDE	680	5%	1W
⚠R793	1-249-404-00	CARBON	82	5%	1/4W
R794	1-215-868-00	METAL OXIDE	680	5%	1W
⚠R802	1-249-409-11	CARBON	220	5%	1/4W
⚠R803	1-249-389-11	CARBON	4.7	5%	1/4W
R804	1-249-429-11	CARBON	10K	5%	1/4W
R806	1-247-863-91	CARBON	22K	5%	1/4W
R824	1-249-421-11	CARBON	2.2K	5%	1/4W
⚠R831	1-249-404-00	CARBON	82	5%	1/4W
⚠R910	1-240-877-11	FUSIBLE	0.15	5%	1/2W
		< RESISTOR >			
⚠RR11	1-249-393-11	CARBON	10	5%	1/4W (SP. AUS)
⚠RR12	1-249-393-11	CARBON	10	5%	1/4W (SP. AUS)
⚠RR13	1-249-393-11	CARBON	10	5%	1/4W (SP. AUS)
⚠RR14	1-249-393-11	CARBON	10	5%	1/4W (SP. AUS)
		< RELAY >			
RY560	1-755-267-11	RELAY			
RY601	1-755-170-11	RELAY (12V)			
RY701	1-755-170-11	RELAY (12V)			
RY791	1-755-170-11	RELAY (12V)			
RY801	1-755-013-11	RELAY			

Ref. No.	Part No.	Description			Remark
		< TERMINAL >			
TM601	1-780-216-11	TERMINAL BOARD (SP) (8P) (SPEAKERS IMPEDANCE USE 6-16Ω)			
		POWER BOARD			
		< CONNECTOR >			
• CNP102	1-564-518-11	PLUG, CONNECTOR 3P			
		< RESISTOR >			
R129	1-249-421-11	CARBON	2.2K	5%	1/4W
R130	1-247-847-91	CARBON	4.7K	5%	1/4W
		< SWITCH >			
S128	1-771-410-21	SWITCH, TACTILE (SPEAKERS (OFF/A/B/A+B))			
S129	1-771-410-21	SWITCH, TACTILE (DISPLAY)			
S130	1-771-410-21	SWITCH, TACTILE (DIMMER)			
S131	1-771-410-21	SWITCH, TACTILE (I/⏻)			
		SPEAKER B (P) BOARD			
		< CAPACITOR >			
CC30	1-127-876-11	CERAMIC	0.01uF	10%	50V (SP, AUS)
CC31	1-127-876-11	CERAMIC	0.01uF	10%	50V (SP, AUS)
		< CONNECTOR >			
CNP610	1-785-102-11	PIN, CONNECTOR (3.96mm PITCH) 4P			
CNP611	1-779-978-11	PIN, CONNECTOR 3P			
		< DIODE >			
D810	8-719-991-33	DIODE 1SS133T-72			
		< TRANSISTOR >			
Q810	8-729-119-78	TRANSISTOR 2SC1740S-QRT			
		< RESISTOR >			
R810	1-249-404-00	CARBON	82	5%	1/4W
R811	1-249-421-11	CARBON	2.2K	5%	1/4W
		< RESISTOR >			
⚠RR30	1-249-393-11	CARBON	10	5%	1/4W (SP, AUS)
⚠RR31	1-249-393-11	CARBON	10	5%	1/4W (SP, AUS)
		< RELAY >			
RY610	1-755-170-11	RELAY (12V)			
		< TERMINAL >			
• TM610	1-537-240-21	TERMINAL BOARD (CHECKER PIN) (FRONT B)			
		SPEAKER C/SB BOARD			
		< CAPACITOR >			
CC16	1-127-876-11	CERAMIC	0.01uF	10%	50V (SP, AUS)
CC17	1-127-876-11	CERAMIC	0.01uF	10%	50V (SP, AUS)
		< CONNECTOR >			
• CNP503	1-564-241-11	PIN, CONNECTOR (3.96mm PITCH) 4P			
		< DIODE >			
D510	8-719-991-33	DIODE 1SS133T-72			
		< COIL >			
L571	1-420-872-52	COIL, AIR-CORE			
L751	1-420-872-52	COIL, AIR-CORE			
		< TRANSISTOR >			
Q550	8-729-119-78	TRANSISTOR 2SC1740S-QRT			
		< RESISTOR >			
R531	1-249-421-11	CARBON	2.2K	5%	1/4W
R534	1-249-404-00	CARBON	82	5%	1/4W
R578	1-249-389-11	CARBON	4.7	5%	1/4W
R751	1-249-389-11	CARBON	4.7	5%	1/4W
		< RESISTOR >			
⚠RR16	1-249-393-11	CARBON	10	5%	1/4W (SP, AUS)
⚠RR17	1-249-393-11	CARBON	10	5%	1/4W (SP, AUS)
		< RELAY >			
RY501	1-755-170-11	RELAY (12V)			
		< TERMINAL >			
TM501	1-780-215-11	TERMINAL BOARD (SP) (4P) (SURROUND BACK/CENTER)			
	A-1084-405-A	STANDBY BOARD, COMPLETE (SP, AUS)			
	A-1084-975-A	STANDY PC BOARD BOARD, COMPLETE (E51)			
	A-1084-987-A	STANDBY BOARD, COMPLETE (MX)			
		< CAPACITOR >			
C913	1-127-888-11	CERAMIC	0.1uF	10%	50V
C914	1-127-888-11	CERAMIC	0.1uF	10%	50V
C915	1-126-943-11	ELECT	2200uF	20%	25V
C916	1-126-942-61	ELECT	1000uF	20%	25V
C920	1-127-888-11	CERAMIC	0.1uF	10%	50V
C921	1-127-888-11	CERAMIC	0.1uF	10%	50V
C922	1-127-888-11	CERAMIC	0.1uF	10%	50V
C924	1-126-960-11	ELECT	1uF	20%	50V
C950	1-126-936-11	ELECT	3300uF	20%	16V

Ref. No.	Part No.	Description			Remark
		< CONNECTOR >			
CNP801	1-784-922-11	PIN, CONNECTOR 5P			
CNP804	1-564-506-11	PLUG, CONNECTOR 3P			
CNP901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
CNP902	1-794-577-21	PIN, CONNECTOR (POWER)			
CNP903	1-784-922-11	PIN, CONNECTOR 5P			
CNP906	1-568-106-11	PIN, CONNECTOR (3.96mm PITCH) 4P (E51)			
		< DIODE >			
D901	8-719-991-33	DIODE 1SS133T-72			
D910	6-500-522-11	DIODE 10EDB40-TA2B5			
D911	6-500-522-11	DIODE 10EDB40-TA2B5			
D912	6-500-522-11	DIODE 10EDB40-TA2B5			
D913	6-500-522-11	DIODE 10EDB40-TA2B5			
D914	8-719-991-33	DIODE 1SS133T-72			
D915	8-719-991-33	DIODE 1SS133T-72			
D920	6-500-522-11	DIODE 10EDB40-TA2B5			
D921	6-500-522-11	DIODE 10EDB40-TA2B5			
D922	6-500-522-11	DIODE 10EDB40-TA2B5			
D923	6-500-522-11	DIODE 10EDB40-TA2B5			
		< FUSE HOLDER >			
FH901	1-533-217-41	HOLDER, FUSE			
FH951	1-533-217-41	HOLDER, FUSE			
		< GROUND TERMINAL >			
G901	1-537-738-21	TERMINAL, GROUND			
		< TRANSISTOR >			
Q901	8-729-119-78	TRANSISTOR 2SC1740S-QRT			
Q921	8-729-119-78	TRANSISTOR 2SC1740S-QRT			
		< RESISTOR >			
⚠R810	1-243-634-91	FUSIBLE	0.22	5%	1/2W
⚠R811	1-243-634-91	FUSIBLE	0.22	5%	1/2W
R902	1-247-871-91	CARBON	47K	5%	1/4W
R903	1-249-421-11	CARBON	2.2K	5%	1/4W
R904	1-249-381-11	CARBON	1	5%	1/4W
R921	1-247-871-91	CARBON	47K	5%	1/4W
R922	1-247-863-91	CARBON	22K	5%	1/4W
R923	1-249-429-11	CARBON	10K	5%	1/4W
		< RELAY >			
⚠RY901	1-755-541-11	RELAY			
		< TRANSFORMER >			
⚠T902	1-443-517-11	POWER TRANSFORMER (SP, AUS)			
⚠T902	1-443-518-11	POWER TRANSFORMER (MX)			
⚠T902	1-443-520-11	POWER TRANSFORMER (E51)			
		TUNNING BOARD			
		< CONNECTOR >			
• CNP104	1-564-517-11	PLUG, CONNECTOR 2P			
		< RESISTOR >			
R149	1-247-831-91	CARBON	1K	5%	1/4W
R150	1-249-419-11	CARBON	1.5K	5%	1/4W
R151	1-249-421-11	CARBON	2.2K	5%	1/4W
R152	1-247-847-91	CARBON	4.7K	5%	1/4W
R153	1-249-429-11	CARBON	10K	5%	1/4W
		< SWITCH >			
S148	1-771-410-21	SWITCH, TACTILE (–(TUNING))			
S149	1-771-410-21	SWITCH, TACTILE (FM MODE)			
S150	1-771-410-21	SWITCH, TACTILE (MEMORY)			
S151	1-771-410-21	SWITCH, TACTILE (–(PRESET TUNING))			
S152	1-771-410-21	SWITCH, TACTILE (+(PRESET TUNING))			
S153	1-771-410-21	SWITCH, TACTILE (+(TUNING))			
	A-1084-344-A	VIDEO BOARD, COMPLETE			
		< CAPACITOR >			
C200	1-128-805-11	CERAMIC	47PF	5%	50V
C201	1-128-805-11	CERAMIC	47PF	5%	50V
C206	1-126-964-11	ELECT	10uF	20%	50V
C207	1-126-964-11	ELECT	10uF	20%	50V
C208	1-126-964-11	ELECT	10uF	20%	50V
C209	1-126-964-11	ELECT	10uF	20%	50V
C210	1-126-964-11	ELECT	10uF	20%	50V
C213	1-126-923-91	ELECT	220uF	20%	10V
C214	1-127-888-11	CERAMIC	0.1uF	10%	50V
C215	1-127-888-11	CERAMIC	0.1uF	10%	50V
C220	1-126-947-11	ELECT	47uF	20%	25V
C221	1-126-923-91	ELECT	220uF	20%	10V
C223	1-127-888-11	CERAMIC	0.1uF	10%	50V
C224	1-127-888-11	CERAMIC	0.1uF	10%	50V
C308	1-126-964-11	ELECT	10uF	20%	50V
C309	1-126-964-11	ELECT	10uF	20%	50V
C310	1-126-964-11	ELECT	10uF	20%	50V
C311	1-126-964-11	ELECT	10uF	20%	50V
C312	1-126-964-11	ELECT	10uF	20%	50V
C313	1-126-964-11	ELECT	10uF	20%	50V
C314	1-127-868-11	CERAMIC	2200PF	10%	50V
C315	1-127-868-11	CERAMIC	2200PF	10%	50V
C316	1-127-868-11	CERAMIC	2200PF	10%	50V
C317	1-126-947-11	ELECT	47uF	20%	25V
C330	1-127-888-11	CERAMIC	0.1uF	10%	50V
C331	1-127-888-11	CERAMIC	0.1uF	10%	50V
C338	1-126-947-11	ELECT	47uF	20%	25V
		< CONNECTOR >			
• CNP202	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P			
CNP203	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
		< CONNECTOR >			
CNS250	1-568-443-11	SOCKET, CONNECTOR 13P			
		< DIODE >			
D203	8-719-991-33	DIODE 1SS133T-72			

Ref. No.	Part No.	Description	Remark
D204	8-719-991-33	DIODE 1SS133T-72	
		< IC >	
IC203	6-701-890-01	IC NJM2595D	
IC304	6-707-363-01	IC NJM2586L	
IC804	8-759-245-79	IC TA79005S	
IC807	8-759-231-53	IC TA7805S	
		< JACK >	
J200	1-794-978-11	JACK, PIN 3P (VIDEO 1 / VIDEO 2 / DVD)	
J201	1-815-043-11	JACK, PIN 2P (VIDEO 1 / MONITOR)	
J301	1-816-592-11	JACK, PIN 9P (COMPONENT VIDEO)	
		< RESISTOR >	
R200	1-247-804-11	CARBON 75 5% 1/4W	
R201	1-247-804-11	CARBON 75 5% 1/4W	
R218	1-247-804-11	CARBON 75 5% 1/4W	
R219	1-247-804-11	CARBON 75 5% 1/4W	
R220	1-247-804-11	CARBON 75 5% 1/4W	
R221	1-247-804-11	CARBON 75 5% 1/4W	
R301	1-247-804-11	CARBON 75 5% 1/4W	
R302	1-247-804-11	CARBON 75 5% 1/4W	
R303	1-247-804-11	CARBON 75 5% 1/4W	
R304	1-247-804-11	CARBON 75 5% 1/4W	
R305	1-247-804-11	CARBON 75 5% 1/4W	
R306	1-247-804-11	CARBON 75 5% 1/4W	
R307	1-247-804-11	CARBON 75 5% 1/4W	
R308	1-247-804-11	CARBON 75 5% 1/4W	
R309	1-247-804-11	CARBON 75 5% 1/4W	
R310	1-247-831-91	CARBON 1K 5% 1/4W	
R311	1-247-831-91	CARBON 1K 5% 1/4W	
R312	1-247-831-91	CARBON 1K 5% 1/4W	
R313	1-247-863-91	CARBON 22K 5% 1/4W	
		VIDEO3 BOARD	
		< CAPACITOR >	
C293	1-127-888-11	CERAMIC 0.1uF 10% 50V	
C294	1-127-888-11	CERAMIC 0.1uF 10% 50V	
C298	1-162-286-31	CERAMIC 220PF 10% 50V	
C299	1-162-286-31	CERAMIC 220PF 10% 50V	
		< CONNECTOR >	
CN201	1-784-922-11	PIN, CONNECTOR 5P	
		< JACK >	
J298	1-819-187-11	PIN JACK 3P (VIDEO 3 INPUT)	
		< RESISTOR >	
R298	1-247-831-91	CARBON 1K 5% 1/4W	
R299	1-247-831-91	CARBON 1K 5% 1/4W	
		< FLAT CABLE >	
* W290	1-690-880-31	LEAD (WITH CONNECTOR)	
		MISCELLANEOUS	
⚠59	1-777-071-23	CORD, POWER (E51, SP)	
⚠59	1-827-295-22	CORD, POWER (AUS)	
⚠59	1-829-627-11	POWER-SUPPLY CORD (MX)	
61	1-828-963-11	WIRE (FLAT TYPE) (11 CORE)	
62	1-828-972-11	WIRE (FLAT TYPE) (13 CORE)	
⚠F901	1-532-388-33	FUSE T2AL/250V (SP, AUS)	
⚠F901	1-532-464-33	FUSE 2.5A/250V (E51)	
⚠F901	1-532-504-33	FUSE T4AL/250V (MX)	
Q503	6-702-390-01	IC MN2488-OPY-MK	
Q504	6-702-390-01	IC MN2488-OPY-MK	
Q533	6-702-391-01	IC MP1620-OPY-MK	
Q534	6-702-391-01	IC MP1620-OPY-MK	
Q603	6-702-390-01	IC MN2488-OPY-MK	
Q604	6-702-390-01	IC MN2488-OPY-MK	
Q653	6-702-391-01	IC MP1620-OPY-MK	
Q654	6-702-391-01	IC MP1620-OPY-MK	
Q703	6-702-390-01	IC MN2488-OPY-MK	
Q704	6-702-390-01	IC MN2488-OPY-MK	
Q753	6-702-391-01	IC MP1620-OPY-MK	
Q754	6-702-391-01	IC MP1620-OPY-MK	
⚠T901	1-443-523-11	POWER TRANSFORMER (MX)	
⚠T901	1-443-525-11	POWER TRANSFORMER (SP, AUS)	
⚠T901	1-443-526-11	POWER TRANSFORMER (E51)	
TN1	1-693-675-11	TUNER (E51, MX)	
TN1	1-693-678-11	TUNER (SP, AUS)	

REVISION HISTORY

Clicking the version allows you to jump to the revised page.
Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2005.04	New